The Town of Hilton Head Island

Design Review Board Regular Meeting

Tuesday, January 14, 2020 – 1:15 p.m.

Benjamin M. Racusin Council Chambers

AGENDA

As a courtesy to others please turn off / silence ALL mobile devices during the meeting. Thank you.

1. **Call to Order**
2. **FOIA Compliance –** Public notification of this meeting has been published, posted, and distributed in compliance with the South Carolina Freedom of Information Act and the requirements of the Town of Hilton Head Island.
3. **Roll Call**
4. **Approval of Agenda**
5. **Approval of Minutes –** Meeting of December 10, 2019
6. **New Business**
   - **a.** *Alteration/Addition*
     - **i.** Burkes Outlet, DRB-000027-2020
     - **ii.** Port Royal Plaza Renovations, DRB-002636-2019
   - **b.** *New Development – Final*
     - **i.** HHI Go Kart Facility, DRB-002663-2019
   - **c.** *New Development – Conceptual*
     - **i.** Harris Teeter Fuel Station, DRB-001967-2019
7. **Appearance by Citizens**
8. **Board Business**
9. **Staff Report**
   - **a.** Minor Corridor Report
10. **Adjournment**

Please note that a quorum of Town Council may result if four (4) or more of their members attend this meeting.

Town of Hilton Head Island

Design Review Board

Tuesday, December 10, 2019 at 1:15 p.m.

Benjamin M. Racusin Council Chambers

MEETING MINUTES

Present from the Board: Chairman Dale Strecker, Vice Chairman Michael Gentemann, Cathy Foss, David McAllister, John Moleski, Debbie Remke, Brian Witmer

Absent from the Board: None

Present from Town Council: David Ames, Tamara Becker, Glenn Stanford

Present from Town Staff: Chris Darnell, Urban Designer; Nicole Dixon, Development Review Administrator; Teri Lewis, Deputy Director of Community Development; Teresa Haley, Senior Administrative Assistant

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1. **Call to Order**
   Chairman Strecker called the meeting to order at 1:15 p.m.

2. **FOIA Compliance –** Public notification of this meeting has been published, posted, and mailed in compliance with the South Carolina Freedom of Information Act and the Town of Hilton Head Island requirements.

3. **Roll Call –** See as noted above.

4. **Approval of Agenda**
   The Board approved the agenda by general consent.

5. **Approval of Minutes** – Meeting of November 26, 2019
   Ms. Remke moved to approve the minutes of the November 26, 2019 regular meeting. Ms. Foss seconded. The motion passed with a vote of 7-0-0.

6. **Unfinished Business**

   a. *Alteration/Addition*

   i. 55 Gardner Drive, DRB-002447-2019

(Mr. McAllister recused himself from review of DRB-002447-2019 due to a professional conflict of interest. A Conflict of Interest form was completed, signed, and made a part of the record.)

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends approval with the following conditions:

1. Clarify the brightness of the uplights on the soffit.

Chairman Strecker asked if the applicant would like to add to Staff's narrative. The applicant presented statements regarding the project and answered questions by the Board.

The Board discussed the uplights on the soffit should not exceed 10 watts LED and can be approved by Staff. All light fixtures should be finished with the same bronze color. The Board complimented the colors submitted and were amenable to the applicant's preference of the Urban Putty mortar color.

Vice Chairman Gentemann moved to approve DRB-002447-2019 with the following conditions:

1. The uplight fixtures shall not exceed 10 watts LED and shall be approved by Town Staff.
2. All light fixtures shall be a bronze finish.
3. The approved mortar color option is Urban Putty.

Ms. Foss seconded. The motion passed with a vote of 6-0-0.

7. New Business

a. *Alteration/Addition*

i. Burkes Outlet, DRB-002333-2019

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends approval with the following conditions:

1. Clarify the exterior light fixtures do not exceed 3000K or change the specification.
2. Provide a landscape plan for Staff approval for the landscape island to include overstory trees.

The Board combined their comments and inquiries regarding this project Burkes Outlet DRB-002333-2019 and the next project Port Royal Plaza Renovations DRB-002433-2019.

Chairman Strecker asked if the applicant would like to add to Staff's narrative. The applicant presented statements regarding the projects and answered questions by the Board.

The Board complimented the applicant for proposing improvements to the shopping center. The Board discussed the projects in depth with the applicant, including: the height of the gable element at Burkes and the two tenants; the gable element appears thin and should connect back to the building line; break up the façade to alleviate the mass of the gable element proposed at Burkes; a sloped roof element at the front entry of Burkes or at the side tenants is preferred to help breakdown the building mass; the front element looks like an awning, make it look like part of the structure instead of a faux element; the colonnade columns should be in keeping with the columns in the shopping center; the brick columns appear too dark and heavy and need to be deemphasized; the eave detail at the top of Burkes looks out of place; provide a landscape plan for landscape island to include overstory trees; consider creating planting islands or adding planters next to the building to help soften the area between building and pavement; the exterior light fixtures are 2700K and will be specified accordingly; the colors should coordinate with the colors previously approved for the shopping center. Following the discussion, the Board and applicant agreed more information and revisions are needed for both projects.

The applicant requested to withdraw both applications Burkes Outlet DRB-002333-2019 and Port Royal Plaza Renovations DRB-002433-2019.

ii. Port Royal Plaza Renovations, DRB-002433-2019

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends approval with the following conditions:

1. Provide section detail of the proposed entrance façade additions for approval by two DRB members.
2. SW 7077 Original White and SW 7000 Ibis White are not nature blending colors. Submit alternatives for approval by two DRB members.
3. Provide a landscape plan to include overstory trees to be approved by Staff.

The Board made comments and inquiries regarding this application as noted above. Following the above discussion, the applicant requested to withdraw both applications Burkes Outlet DRB-002333-2019 and Port Royal Plaza Renovations DRB-002433-2019.

iii. Fishcamp, DRB-002450-2019

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends approval with the following conditions:

1. For Staff approval, specify on the plans that the exterior wall under the proposed roof will match the wall under the existing patio roof.
2. For Staff approval, revise the plans (shorten or narrow) so the roof does not overhang into the wetland buffer.

Chairman Strecker asked if the applicant would like to add to Staff's narrative. The applicant presented statements regarding the project and answered questions by the Board. The applicant provided a revised plan demonstrating the columns are adequately moved back so that the roof does not overhang into the wetland buffer.

The Board expressed support of the revised plan and complimented the design to mirror the existing covered porch.

Vice Chairman Gentemann moved to approve DRB-002450-2019 with the following conditions:

1. Specify on the plans that the exterior wall under the proposed roof will match the wall under the existing patio roof, such that the triangular space at the existing wall continues and matches.
2. The revised shortened plan submitted at the meeting demonstrating the columns are cut back approximately 18 inches so the roof does not overhang into the wetland buffer is approved.

Ms. Foss seconded. The motion passed with a vote of 7-0-0.

iv. Scott's Patio Roof Extension, DRB-002452-2019

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends denial of the application as submitted.

Chairman Strecker asked if the applicant would like to add to Staff's narrative. The applicant presented statements regarding the project and answered questions by the Board.

The Board had in depth discussion about details of the roof structure. The Board was generally amenable to the angle on the roof matching the angle of the retaining wall below it. The beam slope is a quarter inch and will be as shown on the elevation. The Board discussed ways to make the bar appear more as a permanent structure. The Board generally agreed the rear wall of the bar should be painted to match the building color. Also, the metal roll down doors, louvers and wood columns should be stained to match the roof.

Ms. Foss moved to approve DRB-002452-2019 with the following conditions:

1. The rear wall of the bar shall be painted to match the stucco color of the building and said color shall be submitted to Staff for review and approval.
2. In order to make the bar appear more permanent, include wood columns at the bar, and stain them and the louvers to match the roof.

Vice Chairman Gentemann seconded. The motion passed with a vote of 7-0-0.

v. Coastal States Bank, DRB-002459-2019

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends approval with the following conditions:

1. Submit a revised color scheme that replaces SW 7011 Natural Choice with a more nature blending/less white color.

Chairman Strecker asked if the applicant would like to add to Staff's narrative. The applicant submitted a replacement to SW 7011 Natural Choice with SW 7531 Canvas Tan. Further, the applicant presented statements regarding the project and answered questions by the Board.

The Board was generally in favor of the revised color SW 7531 Canvas Tan. There was concern that the Canvas Tan may read a little light, however, most of it will be in shadow because of the deep roof overhang. The Board expressed concern about landscaping that may be damaged or removed during construction. The Board expressed appreciation for keeping the building style generally as-is and just updating the materials.

Mr. Witmer moved to approve DRB-002459-2019 with the following conditions:

1. Replace SW 7011 Natural Choice with SW 7531 Canvas Tan.
2. Any landscaping that is damaged or removed during construction shall be replaced. A replacement landscape plan shall be submitted to Staff for review and approval.

Ms. Remke seconded. The motion passed with a vote of 7-0-0.

b. *New Development – Conceptual*

i. HHI Go Kart Facility, DRB-002454-2019

(Mr. McAllister recused himself from review of DRB-002454-2019 due to a professional conflict of interest. A Conflict of Interest form was completed, signed, and made a part of the record.)

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends approval with the following conditions:

The site plan for Final DRB approval shall address the following:

1. The location and screening of the dumpster.
2. Provide a tree protection plan with special consideration of those trees identified by Staff.
3. Relocate the stormwater lagoon to open areas on the site.
4. Revise the parking lot to accommodate the existing trees identified by Staff and meet parking lot design requirements of the LMO.

Chairman Strecker asked if the applicant would like to add to Staff's narrative. The applicant presented statements regarding the project and answered questions by the Board.

Chairman Strecker asked for public comments related to the project and received the following: encourage Town management and elected officials to have a master land plan for the Island; and concerns regarding noise, lighting, and landscaping.

The Board discussed the project with the applicant, including: vehicular circulation into and around the site; a dumpster enclosure is not being proposed; consider relating the fence aesthetic to the proposed barn building; revise any barn building elements to scale and provide details for final; existing trees identified by Staff no longer need to be removed; the proposed wet pond is no longer needed; more mature landscaping is appropriate; provide sufficient screening between the road and track; provide two options for the overhead lights as it relates to different heights and number of poles; provide full photometric plans for each lighting plan; and concerns regarding the existing tents onsite and staff will provide related information at the next meeting.

Mr. Witmer moved to approve DRB-002454-2019 with the following conditions:

1. Consider tying the fence aesthetic back to the proposed barn building.
2. Provide a landscape plan for final approval showing the new entry areas and roadway.
3. Provide a buffer planting plan for final approval with plants above and beyond the minimum size requirements.
4. Provide a lighting plan, preferably two options, for the overhead lights with full photometric plans of each for final approval.
5. Provide a tree protection plan with special consideration of those trees identified by Staff.
6. Revise the parking lot to accommodate the existing trees identified by Staff and meet parking lot design requirements of the LMO.

Ms. Foss seconded. The motion passed with a vote of 6-0-0.

ii. Smokehouse, DRB-002461-2019

Mr. Darnell presented the project as provided in the Board's agenda package. Staff recommends approval with the following conditions:

1. Remove the building from the setback off the northern property line.
2. The northern façade is revised to replace the proposed metal siding and add architectural detail.
3. The site plan should be revised to accommodate planting between the building or fence and sidewalks or parking lot.
4. The site plan shall be revised to include three landscape islands in the front parking lot and one landscape island in the back parking lot adjacent to the drive aisle.
5. The site plan shall be revised to accommodate screening on both sides of the dumpster enclosure.
6. Provide a tree protection plan that:
   a. Shows tree protection fence
   b. Shows the canopy of the 26" live oak on the northern property line
   c. Specifies pre and post construction fertilization with a root stimulant and protective mulching (3-4" aged hardwood mulch) under the 26" live oak on the northern property line.

Chairman Strecker asked if the applicant would like to add to Staff's narrative. The applicant presented statements regarding the project and answered questions by the Board.

The Board complimented the architecture of the building. The Board had differing opinions on the metal panels at the service area. One viewpoint being metal siding is not in keeping with the Design Guide. Another viewpoint being the metal panel would be approvable if painted the appropriate color. The applicant will provide more information in the next submittal for the Board's review. The applicant has addressed the issues concerning the setback requirements and will provide updated information in the next submittal. The Board made comments regarding provide tree protection as identified by Staff, add landscaping between the building and hard surfaces and within the parking lot islands, and provide screening of the existing dumpster.

Vice Chairman Gentemann moved to approve DRB-002461-2019 with the following conditions:

1. Continue the service area fence along the property line to screen that side from view.
2. It has been noted the freezer and walk in cooler are on existing foundation and therefore allowed by the LMO.
3. Modify the stairs towards the freezer in order to reconcile the encroachment into the setback.
4. Consider landscaping between the building and hard surfaces (sidewalks, parking lots) particularly on the south side near the former entrance.
5. No recommendation is made at this time on the metal panels at the service area and will be further discussed at final review.
6. Add softscape around the dumpster to screen it at least on the two sides visible from the parking lot.
7. Provide a tree protection plan that:
    a. Shows tree protection fence;
    b. Shows the canopy of the 26" live oak on the northern property line;
    c. Specifies pre and post construction fertilization with a root stimulant and protective mulching (3-4" aged hardwood mulch) under the 26" live oak on the northern property line.
8. The site plan shall be revised to include three landscape islands in the front parking lot and one landscape island in the back parking lot adjacent to the drive aisle.

Ms. Foss seconded. The motion passed with a vote of 7-0-0.

8. Appearance by Citizens – None

9. Board Business – None

10. Staff Report

a. Minor Corridor Report – Mr. Darnell reported the Minor Corridor approvals since the last meeting.

11. Adjournment

The meeting was adjourned at 4:37 p.m.

Submitted by: Teresa Haley, Secretary

Approved: [DATE]

Town of Hilton Head Island

Community Development Department
One Town Center Court
Hilton Head Island, SC 29928
Phone: 843-341-4757 Fax: 843-842-8908
www.hiltonheadislandsc.gov

FOR OFFICIAL USE ONLY	
Date Received:	11/7/19
Accepted by:	Nicole T / ChrisD
DRB #:	2333-2019
Meeting Date:	

Applicant/Agent Name: David Jagoda Company: Lampert Group, LLC
Mailing Address: 1555 Sherman Ave. #236 City: Evanston State: IL Zip: 60201
Telephone: 206.981.6921 Fax: ______ E-mail: dtj@lampertgroup.build

Project Name: Burkes Outlet Project Address: 95 Matthews Drive, Hilton Head, SC 29928
Parcel Number [PIN]: R 5 1 1 0 0 8 0 0 0 1 9 2 A 0 0 0 0
Zoning District: CC Overlay District(s): COD

CORRIDOR REVIEW, MAJOR
DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS

Digital Submissions may be accepted via e-mail by calling 843-341-4757.

Project Category:

_____ Concept Approval – Proposed Development
_____ Final Approval – Proposed Development
_X_ Alteration/Addition
_____ Sign

Submittal Requirements for ***All*** projects:

_____ Private Architectural Review Board (ARB) Notice of Action (if applicable): When a project is within the jurisdiction of an ARB, the applicant shall submit such ARB's written notice of action per LMO Section 16-2-103.I.4.b.iii.01. Submitting an application to the ARB to meet this requirement is the responsibility of the applicant.

_____ Filing Fee: Concept Approval-Proposed Development $175, Final Approval – Proposed Development $175, Alterations/Additions $100, Signs $25; cash or check made payable to the Town of Hilton Head Island.

Additional Submittal Requirements:
Concept Approval – Proposed Development

_____ A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
_____ A site analysis study to include specimen trees, access, significant topography, wetlands, buffers, setbacks, views, orientation and other site features that may influence design.
_____ A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis results.
_____ Context photographs of neighboring uses and architectural styles.
_____ Conceptual site plan (to scale) showing proposed location of new structures, parking areas and landscaping.
_____ Conceptual sketches of primary exterior elevations showing architectural character of the proposed development, materials, colors, shadow lines and landscaping.

2333-2019

Additional Submittal Requirements:

Final Approval – Proposed Development

_____ A final written narrative describing how the project conforms with the conceptual approval and design review guidelines of Sec. 16-3-106.F.3.

_____ Final site development plan meeting the requirements of Appendix D: D-6.F.

_____ Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I.

_____ Final floor plans and elevation drawings (1/8"=1'-0" minimum scale) showing exterior building materials and colors with architectural sections and details to adequately describe the project.

_____ A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation.

_____ Any additional information requested by the Design Review Board at the time of concept approval, such as scale model or color renderings, that the Board finds necessary in order to act on a final application.

Additional Submittal Requirements:

Alterations/Additions

_____ All of the materials required for final approval of proposed development as listed above, plus the following additional materials.

_____ A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.

_____ Photographs of existing structure.

Additional Submittal Requirements:

Signs

_____ Accurate color rendering of sign showing dimensions, type of lettering, materials and actual color samples.

For freestanding signs:

_____ Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.

_____ Proposed landscaping plan.

For wall signs:

_____ Photograph or drawing of the building depicting the proposed location of the sign.

_____ Location, fixture type, and wattage of any proposed lighting.

Note: All application items must be received by the deadline date in order to be reviewed by the DRB per LMO Appendix D: D-23.

A representative for each agenda item is strongly encouraged to attend the meeting.

Are there recorded private covenants and/or restrictions that are contrary to, conflict with, or prohibit the proposed request? If yes, a copy of the private covenants and/or restrictions must be submitted with this application. ☐YES ☑NO

To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

I further understand that in the event of a State of Emergency due to a Disaster, the review and approval times set forth in the Land Management Ordinance may be suspended.

[signature] 11/7/19

SIGNATURE DATE

November 7, 2019

Project Name: Burkes 327 Hilton Head, SC – Port Royal Plaza
Project Location: 95 Matthews Drive Hilton Head, SC 29926
Project Number: 19029

Re: Zoning Review Comments
To: Town of Hilton Head Zoning

The following is an outline of work to be done at 95 Matthews Drive (the old Sam's Club space) for Burkes interior upfit:

- The existing façade is to be updated by removing the existing vestibule storefront and adding new autoslide doors at the building wall. The new façade will incorporate the use of new brick veneer, fiber cement siding and EIFS.
- The interior space will be demised and split into three separate spaces. The Burkes space will be the center space and will utilize the existing entry location. The existing interior mezzanine will be demoed along with some of the existing electrical systems. New HVAC units will be installed to service the Burkes space.
- The interior upfit will consist of providing a new vestibule and back of house area. The back of house area will consist of a receiving area, offices, restrooms, employee lounge and janitor's room. New LED lighting will be installed throughout the space with electrical upates added as necessary to provide adequate power to new spaces. The new HVAC system will be distributed with concentric drops on the sales floor and ducted in the back of house area.

List of exterior paint color:
EIFS Main Façade – Sherwin Williams SW7029 Agreeable Gray
EIFS Exterior Vestibule Wall – Sherwin Willams SW7031 Mega Greige
Siding – Sherwin Williams SW7033 Brainstorm Bronze
Existing façade and arbor structure – Sherwin Williams SW7031 Mega Greige

Should you have additional questions, comments or concerns, please let us know.

Thank you,

R M Coleman

Ralph M. Coleman

Description

The Halo ML56 LED Downlighting System is a series of modular LED Light Modules for use with designated 5" or 6" ML56 LED trims in new construction, remodel and retrofit installation. Compatible with Halo 5" H550 and 6" H750, H2750 Series LED housings. And in retrofit of existing housings the ML56 Series fits 5" or 6" Halo, All-Pro, and others. ML56 system offers shallow trims for installation in Halo, All-Pro and others shallow housings. ML56 Light Modules are offered in 600 Series, 900 Series, and 1200 Series, 80CRI or 90CRI, and four color temperatures 2700K, 3000K, 3500K, 4000K. ML56 Light Modules are universal voltage 120V – 277V and dimmable at 120V. The ML56 lens provides uniform diffuse illumination standard.

ML56 LED System

900 Series / 80 CRI

ML5609827
ML5609830
ML5609835
ML5609840

5-Inch and 6-Inch 900 Lumen LED Light Module for New Construction, Remodel and Retrofit

For use with 59x and 69x Series Trims

FOR USE IN INSULATED CEILING AND NON-INSULATED CEILING RATED HOUSINGS

HIGH EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE

Specification Features

Mechanical

Light Module
- Module includes LED package, LED driver, heat sink, and lens
- Durable die-cast aluminum construction.
- Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, including insulated ceiling environments

Lens
- Impact-resistant polycarbonate
- Convex form for lamp-like appearance
- High lumen transmission
- Diffusing for even illumination

Mounting
- Light Modules attach to reflector and baffle trims via locking tabs, and attach to eyeballs via keyed twist-to-lock mating bosses
- The complete light module and trim assembly installs into housings with precision formed torsion springs located on the trim
- Friction Blade mounting is an alternate option using the accessory 6" Friction Blade Kit model ML56CLIP (order separately). Friction blades provide alternative to torsion springs for retrofit in 6" housings without torsion mounting tabs. The stainless steel friction blades allow the ML56 to be installed in a wider range of housings, and allow rotation in the housing aperture (360 degrees).

Housing Compatibility
A complete ML56 system includes a LED Light Module, LED trim, and a compatible housing (new construction, remodel, or existing retrofit). Housing compatibility in the ML56 System is determined by the ML56 trim dimensions. ML56 trims are available in 5" and 6" aperture (5" = 59xx series and 6" = 69xx series trims). Refer to Housing – Trim Section in this document.

LED
- 900 Series = 900 design lumens typical.
- Delivered lumens vary depending upon 5" or 6", color temperature, and trim finish.
- Color Temperature options: 2700K, 3000K, 3500K, 4000K
- CRI: 80
- L70 at 50,000 hours, projected in accordance with IES TM-21
- LED is a chip on board design consisting of a multiple LED package to create one virtual light source for a productive "cone of light"

Color Specification & Quality Standards
- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED color uniformity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377- 2008.
- Every Halo LED Light Module is quality tested and performance measured, and then serialized in a permanent record to register lumens, wattage, CRI and CCT.
- Halo LED serialized testing and measurement process ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time
- Halo ML56 LED Light Modules include lumen, CRI, and CCT designations in the model number
- Example: **ML5609830**
  56 = 5" / 6" aperture series
  09 = 900 lumen series
  8 = >80 CRI
  30 = 3000K nominal CCT

Electrical Power Connections
- LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5" H550 series and 6" H750 and H2750 series housings (housing selected depends upon LED trim 5" or 6").
- LED Connector is a non-screw base, and where required to qualify as a high-efficacy luminaire.
- The included E26 medium screw-base Edison adapter provides easy retrofit of incandescent housings (see Housing Section).

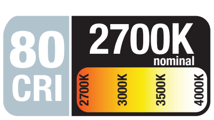
Ground Connection
Separate grounding cable included on the module for attachment to the housing during installation.

LED Driver
- Driver is universal voltage 120V-277V, and may be controlled from a switch in this range of main inputs (switchable at 120V, 220V, 230V, 240V, and 277V)
- Driver is dimmable at 120V operation when connected to a compatible dimmer.
- Driver is a high efficiency, electronic power supply providing DC power to the LED.
- Driver meets FCC EMI/RFI Consumer Level limits on 120V main inputs, and is compliant for use in residential and commercial installations.
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- Driver is replaceable, if replacement should be required.

Dimming
Designed for dimming capability to nominal 5% in normal operation with standard 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. (Consult dimmer manufacturer for dimmer compatibility and details. Note, some dimmers require a neutral in the wallbox.)

Warranty
Cooper Lighting provides a (5) five year limited warranty on the Halo ML56 LED Light Module.

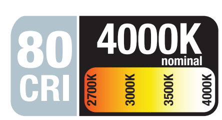
LED Module in New or Retrofit Existing Construction – Housings other than Halo or All-Pro
- If used in recessed housings other than Halo or All-Pro the Cooper Lighting 5-year limited warranty applies to the LED Light Module and Trim only.
- As with any electrical installation, a qualified electrician must ensure compatibility of use with a particular housing; this includes all applicable national and local electrical and building codes. Installer is responsible to properly and securely retain the LED Module and LED Trim in the housing at time of installation.



ML5609827
5" or 6" LED 900 Series

ML5609830
5" or 6" LED 900 Series

ML5609835
5" or 6" LED 900 Series



ML5609840
5" or 6" LED 900 Series

Energy Data
ML56 900/80 Series
(Values at non-dimming line voltage)
Minimum Starting Temp: -30°C (-22°F)
EMI/RFI: FCC Title 47 CFR, Part 15, (Consumer)
Sound Rating: Class A
Input Voltage: UNV 120V-277V
Power Factor: >0.95 @ 120V and >0.9 @277V
Input Frequency: 50/60Hz
THD: <20%
Max. Rated Wattage: 14W
Input Power: 13.4W
Input Current at 120V: 0.15A
Input Current at 277V: 0.08A
Driver Compliance: UL8750, Class II rated
Maximum IC (Insulated Ceiling) Ambient Continuous Operating Temperature: 25°C (77°F)
Maximum Non-IC Ambient Continuous Operating Temperature: 40°C (104°F)

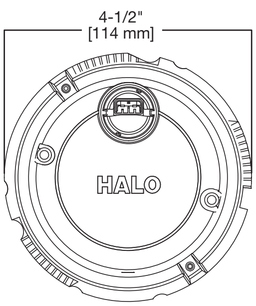
Compliance

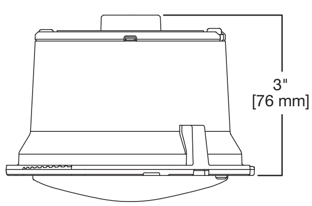
- cULus listed 1598 Luminaire (Halo and All-Pro housings)
- UL Classified when used in retrofit (refer to housing section)
- cULus listed for damp locations
- cULus Wet location listed with baffle and reflector trims only
- Airtight certified per ASTM E283 (not exceeding 2.0 CFM under 57 Pascals pressure difference)
- IP66 ingress protection rated with baffle and reflector trims only
- RoHS compliant
- May be used in IC (insulated ceiling) housings in direct contact with insulation* and combustible material
- Can be used as a California Title 24 compliant Non-Residential LED Luminaire
- Can be used for International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- Can be used for Washington State Energy Code compliance
- ENERGY STAR® certified luminaire - consult ENERGY STAR® Certified product list
- EMI/RFI per FCC 47CFR Part 15 Class B Consumer limits (commercial and residential compliant)
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21
- CE Mark - "Conformité Européene" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with Halo H550, H750, and H2750 Series LED housings only

* Not for use with housings in direct contact with spray foam insulation.

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire

Dimensions





Ordering Information

Sample Number: **ML5609830 593WB**
Order LED Module and trim separately.
A complete system also includes a compatible housing (new construction, remodel, or existing retrofit). Housing aperture size in the ML56 System is determined by the ML56 trim dimensions. ML56 trims are available in 5" and 6" aperture (5" = 59xx series and 6" = 69xx series trims). Refer to Housing Section in this document.

ML56 LED Light Modules 900 Series / 80 CRI

ML5609827= 5"/6" LED light module, 900 lumen, 80CRI, 2700K
ML5609830= 5"/6" LED light module, 900 lumen, 80CRI, 3000K
ML5609835= 5"/6" LED light module, 900 lumen, 80CRI, 3500K
ML5609840= 5"/6" LED light module, 900 lumen, 80CRI, 4000K

ML56 LED 5" and 6" Trims

590 Series - 5" LED Trims
591WB=5" LED trim, polymer "dead-front", shallow white baffle & flange – shallow and standard housings (For use with 600 Series LED light modules only)
592SC=5" LED trim, specular reflector & white flange
592H=5" LED trim, haze reflector & white flange
592W=5" LED trim, white reflector & flange
593WB=5" LED trim, white micro-step baffle & flange
593BB=5" LED trim, black micro-step baffle & white flange
593SNB=5" LED trim, satin nickel micro-step baffle & flange
593TBZB=5" LED trim, tuscan bronze micro-step baffle & flange
594WB=5" LED directional trim, white eyeball, baffle & flange – shallow and standard housings
594SNB=5" LED directional trim, satin nickel eyeball, baffle & flange – shallow and standard housings
594TBZB=5" LED directional trim, tuscan bronze eyeball, baffle & flange – shallow and standard housings
595WW=5" LED trim, wall wash - specular reflector, repositionable specular kick reflector, white flange
596WB=5" LED trim, white shallow baffle & flange – shallow and standard housings

690 Series - 6" LED Trims
691WB=6" LED trim, polymer "dead-front", white shallow baffle & flange – shallow and standard housings (For use with 600 Series LED light modules only)
692SC=6" LED trim, specular reflector & white flange
692H=6" LED trim, haze reflector & white flange
692W=6" LED trim, white reflector & flange
693WB=6" LED trim, white micro-step baffle & flange
693BB=6" LED trim, black micro-step baffle & white flange
693SNB=6" LED trim, satin nickel micro-step baffle & flange
693TBZB=6" LED trim, tuscan bronze micro-step baffle & flange
694WB=6" LED directional trim, white eyeball, baffle & flange – shallow and standard housings
694SNB=6" LED directional trim, satin nickel eyeball, baffle & flange – shallow and standard housings
694TBZB=6" LED directional trim, tuscan bronze eyeball, baffle & flange – shallow and standard housings
695WW=6" LED trim, wall wash - specular reflector, repositionable specular kick reflector, white flange
696WB=6" LED trim, white shallow baffle & flange – for use with shallow and standard housings

ML56 System Accessories

ML56CLIP=Friction clip mounting kit - for retrofitting non-torsion spring housings, 6" clips*
WW595SC=5" Wall wash insert - kick reflector for 595WW (1-included with trim) double or corner wall wash**
WW695SC=6" Wall wash insert - kick reflector for 695WW (1-included with trim) double or corner wall wash**
TRM590WH=5" LED oversize trim ring for use with 59* series trims, white 6.3" I.D., 7.5" O.D. Ring slips over LED trim. Inset design allows 5" trim to fit into oversize ring for an even trim surface
TRM690WH=6" LED oversize trim ring for use with 69* series trims, white 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface

*ML56CLIP is compatible with 6" baffle and reflector trims only (691, 692, 693, 695, 696 series).
For eyeball trim (694 series) use ML7RAB retrofit adpater band.

**Wall Wash Trims 595WW and 695WW Feature an exclusive Repositionable Kick Reflector for fine-tuning adjustment of the wall wash effect. The WW595SC and WW695SC are Repositionable Kick Reflectors sold separately for addition to the Wall Wash Trim when a double or corner wall wash is needed, or for replacement of original kick reflector included with the trim.

Lighting Facts

ML5609827

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	934
Watts	13.4
Lumens Per Watt (Efficacy)	69.7
Color Accuracy (CRI)	81
Light Color (CCT) Correlated Color Temperature (CCT)	2700K

Soft White · Warm White · Bright White — 2700K 3000K 4500K 6500K
MODEL# ML5609827

ML5609830

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	1009
Watts	13.4
Lumens Per Watt (Efficacy)	75.3
Color Accuracy (CRI)	82
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

Soft White · Warm White · Bright White — 2700K 3000K 4500K 6500K
MODEL# ML5609830

ML5609835

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	1024
Watts	13.4
Lumens Per Watt (Efficacy)	76.4
Color Accuracy (CRI)	83
Light Color (CCT) Correlated Color Temperature (CCT)	3500K

Soft White · Warm White · Bright White — 2700K 3000K 4500K 6500K
MODEL# ML5609835

ML5609840

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	1045
Watts	13.4
Lumens Per Watt (Efficacy)	78.0
Color Accuracy (CRI)	82
Light Color (CCT) Correlated Color Temperature (CCT)	4000K

Soft White · Warm White · Bright White — 2700K 3000K 4500K 6500K
MODEL# ML5609840

Housing – Trim Compatibility

Housing aperture size in the ML56 System is determined by the ML56 trim dimensions. ML56 trims are available in 5" and 6" aperture (5" = 59xx series and 6" = 69xx series trims). Refer to ML56 TRIMS in this document. (Note “X” in the trim model number denotes finish code.)

Housing – Compatibility

The ML56 LED light module - trim combination is cULus Listed or UL Classified for use with any 5" or 6" diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 115 in^3 in addition to those noted below.

Halo and All-Pro UL Listed Compatibility

6” Trims: 691X, 692X, 693X, 694X, 695X, 696X
(Note shallow housings for use with 691X, 694X, 696X trims only)

HALO - LED Housings with LED Luminaire Connector - High-Efficacy Compliant

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H750ICAT	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing
		H750RICAT	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing
		H750T	6" LED, Non-IC, Air-Tite, New Construction Housing
		H750TCP	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing
		H750TD010	6" LED, Non-IC, Air-Tite, New Construction Housing
		H750RTD010	6" LED, Non-IC, Air-Tite, Remodel Housing
		H750TCPD010	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing
		H750RINTD010	6" LED, Non-IC, Air-Tite, Remodel Housing (International CE Mark and UL/cUL Listed)
Halo	**Shallow Housings**	H2750ICAT	6” LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (use with 691X, 694X, 696X trims only)

HALO and All-Pro - Incandescent E26 Screwbase Housings

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H7ICAT	6” Insulated Ceiling, Air-Tite New Construction Housing
		H7RICAT	6” Insulated Ceiling, Air-Tite Remodel Housing
		H7ICT	6” Insulated Ceiling, New Construction Housing
		H7RICT	6” Insulated Ceiling, Remodel Housing
		H7ICATNB	6” Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
		H7ICTNB	6” Insulated Ceiling, New Construction Housing, No Socket Bracket
		H7T	6” Non-IC, New Construction Housing
		H7RT	6” Non-IC, Remodel Housing
		H7TNB	6” Non-IC, New Construction Housing, No Socket Bracket
		H7TCP	6” Non-IC, Chicago Plenum, New Construction/Remodel Housing
		H7UICT	6” Insulated Ceiling, Universal New Construction Housing
		H7UICAT	6” Insulated Ceiling, Universal, Air-Tite, New Construction Housing
All-Pro	**Standard Housings**	EI700AT	6” Insulated Ceiling, Air-Tite New Construction Housing
		EI700RAT	6” Insulated Ceiling, Air-Tite Remodel Housing
		EI700	6” Insulated Ceiling, New Construction Housing
		EI700R	6” Insulated Ceiling, Remodel Housing
		EI700ATNB	6” Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket
		EI700NB	6” Insulated Ceiling, New Construction Housing, No Socket Bracket
		EI700U	6” Insulated Ceiling, Universal New Construction Housing
		EI700UAT	6” Insulated Ceiling, Universal, Air-Tite, New Construction Housing
		ET700	6” Non-IC, New Construction Housing
		ET700R	6” Non-IC, Remodel Housing
Halo	**Shallow Housings**	H27ICAT	6” Shallow, Insulated Ceiling, Air-Tite New Construction (use with 691X, 694X, 696X trims only)
		H27RICAT	6” Shallow, Insulated Ceiling, Air-Tite Remodel Housing (use with 691X, 694X, 696X trims only)
		H27ICT	6” Shallow, Insulated Ceiling, New Construction Housing (use with 691X, 694X, 696X trims only)
		H27RICT	6” Shallow, Insulated Ceiling, Remodel Housing (use with 691X, 694X, 696X trims only)
		H27T	6” Shallow, Non-IC, New Construction Housing (use with 691X, 694X, 696X trims only)
		H27RT	6” Shallow, Non-IC, Remodel Housing (use with 691X, 694X, 696X trims only)
All-Pro	**Shallow Housings**	EI2700AT	6” Shallow, Insulated Ceiling, Air-Tite New Construction (use with 691X, 694X, 696X trims only)
		EI2700	6” Shallow, Insulated Ceiling, New Construction Housing (use with 691X, 694X, 696X trims only)
		EI2700R	6” Shallow, Insulated Ceiling, Air-Tite Remodel Housing (use with 691X, 694X, 696X trims only)
		ET2700	6” Shallow, Non-IC, New Construction Housing (use with 691X, 694X, 696X trims only)
		ET2700R	6” Shallow, Non-IC, Remodel Housing (use with 691X, 694X, 696X trims only)

Halo LED Retrofit Enclosures

Brand	Type	Catalog Number	Description
Halo	**Retrofit**	ML7BXRFK	6” Retrofit Enclosure, Non-IC, BX Whip
		ML7E26RFK	6” Retrofit Enclosure, Non-IC, E26 Screw base Interface

Housing Compatibility - Continued

5” Trims: 591X, 592X, 593X, 594X, 595X, 596X
(Note shallow housings for use with 591X, 594X, 596X trims only)

HALO - LED Housings with LED Luminaire Connector - High-Efficacy Compliant

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H550ICAT	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing
		H550RICAT	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing

HALO and All-Pro - Incandescent E26 Screwbase Housings

Brand	Housing Type	Catalog Number	Description
Halo	**Standard Housings**	H5ICAT	5” Insulated Ceiling, Air-Tite New Construction Housing
		H5RICAT	5” Insulated Ceiling, Air-Tite Remodel Housing
		H5T	5” Non-IC, New Construction Housing
		H5RT	5” Non-IC, Remodel Housing
		H5TM	5” Non-IC, New Construction Housing (Canada)
All-Pro	**Standard Housings**	EI500AT	5” Insulated Ceiling, Air-Tite New Construction Housing
		EI500RAT	5” Insulated Ceiling, Air-Tite Remodel Housing
		ET500	5” Non-IC, New Construction Housing
		ET500R	5” Non-IC, Remodel Housing
Halo	**Shallow Housings**	H25ICAT	5” Shallow, Insulated Ceiling, Air-Tite New Construction (use with 591X, 594X, 596X trims only)

Housings - UL Classified for Retrofit Compatibility

6” Trims: 691X, 692X, 693X, 694X, 695X, 696X
(Note shallow housings for use with 691X, 694X, 696X trims only)

Brand	Housing Type	Description
Juno	**Standard Housings**	IC22, IC22R, IC22W, IC22S, IC23, IC23W, TC2, TC2R, IC2
	Shallow Housings	IC21, IC21R (use with 691X, 694X, 696X trims only)
Capri	**Standard Housings**	CR1, PR1, QL1
	Shallow Housings	R9ASIC/PS9RM (use with 691X, 694X, 696X trims only)
Elco		HL7ICA (EL7ICA)
Lithonia	**Standard Housings**	LC6, L7X
	Shallow Housings	L7XP (use with 691X, 694X, 696X trims only)
Thomas		PS1
Commercial Electric		C7ICA, H3
Progress	**Standard Housing**	P87-AT †*
	Shallow Housing	P86TG (use with 691X, 694X, 696X trims only)
Lightolier		1104ICS †*, 1104ICR †*

† Requires replacement of torsion springs with Friction Clips. Order Friction Clip Kit separately: ML56CLIP
* ML56CLIP is compatible with only baffle and reflector trims

5” Trims: 591X, 596X

Brand	Housing Type	Catalog Number
Juno	**Standard Housings**	IC20, IC25S, IC25W, TC20

ML56 900 Series Compliance Table

80 CRI LED Modules with ML56 Trims

	ML5609827	ML5609830	ML5609835	ML5609840
593BB	WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
693BB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
593TBZB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
693TBZB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
593SNB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
693SNB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
592H	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
593WB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
592W	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
595WW	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
592SC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
692H	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
695WW	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
693WB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
692SC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
596WB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
692W	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
594TBZB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
694TBZB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
594SNB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
696WB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
694SNB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
694WB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
594WB	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
594WB-30	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC
694WB-30	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC	ES, T24NR, WSEC, IECC

Code Descriptions:

ES = ENERGY STAR® Certified Luminaire

T24NR = May be used for California Title 24 Non-Residential LED luminaire

IECC = International Energy Conservation Code "High Efficacy"

WSEC = Washington State Energy Code - "High Efficacy" Luminaire

ML56 900 Series Lumen Table

80 CRI LED Modules with ML56 trims

		ML5609827		ML5609830		ML5609835		ML5609840	
	Trim Catalog #	**Lumens**	**LPW**	**Lumens**	**LPW**	**Lumens**	**LPW**	**Lumens**	**LPW**
0° Tilt Angle	593BB	602.9	45.0	651.3	48.6	661.0	49.3	674.5	50.3
	693BB	676.2	50.5	730.5	54.5	741.3	55.3	756.5	56.5
	593TBZB	686.3	51.2	741.4	55.3	752.4	56.2	767.8	57.3
	693TBZB	714.1	53.3	771.4	57.6	782.9	58.4	799.0	59.6
	593SNB	757.1	56.5	817.8	61.0	830.0	61.9	847.0	63.2
	693SNB	789.9	58.9	853.3	63.7	866.0	64.6	883.8	66.0
	592H	846.8	63.2	914.8	68.3	928.4	69.3	947.4	70.7
	593WB	887.2	66.2	958.5	71.5	972.7	72.6	992.7	74.1
	592W	894.8	66.8	966.7	72.1	981.0	73.2	1001.2	74.7
	595WW	916.3	68.4	989.9	73.9	1004.6	75.0	1025.2	76.5
	592SC	917.6	68.5	991.3	74.0	1006.0	75.1	1026.6	76.6
	692H	921.4	68.8	995.3	74.3	1010.1	75.4	1030.9	76.9
	695WW	922.6	68.9	996.7	74.4	1011.5	75.5	1032.3	77.0
	693WB	934.0	69.7	1009.0	75.3	1024.0	76.4	1045.0	78.0
	692SC	946.6	70.6	1022.7	76.3	1037.9	77.5	1059.1	79.0
	596WB	946.6	70.6	1022.7	76.3	1037.9	77.5	1059.1	79.0
	692W	947.9	70.7	1024.0	76.4	1039.2	77.6	1060.6	79.1
	594TBZB	954.2	71.2	1030.8	76.9	1046.2	78.1	1067.6	79.7
	694TBZB	959.3	71.6	1036.3	77.3	1051.7	78.5	1073.3	80.1
	594SNB	959.3	71.6	1036.3	77.3	1051.7	78.5	1073.3	80.1
	696WB	975.7	72.8	1054.1	78.7	1069.7	79.8	1091.7	81.5
	694SNB	977.0	72.9	1055.4	78.8	1071.1	79.9	1093.1	81.6
	694WB	1017.4	75.9	1099.1	82.0	1115.5	83.2	1138.3	84.9
	594WB	1018.7	76.0	1100.5	82.1	1116.8	83.3	1139.7	85.1
30° Tilt Angle	594WB-30	987.1	73.7	1066.3	79.6	1082.2	80.8	1104.4	82.4
	694WB-30	959.3	71.6	1036.3	77.3	1051.7	78.5	1073.3	80.1

Photometric tests are per IES measurement standards. Tests represent typical fixture performance. Field results may vary.

Photometry 5" Trims • 900 Series • 80 CRI

Multiplier Table

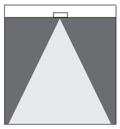
CCT Option	2700 K	3000 K	3500 K	4000 K
CCT Multiplier	0.93	1.00	1.02	1.04

Table based upon testing with 3000°K color temperature, 80CRI.
Multipliers may be used to determine relative lumen values with other color temperatures.

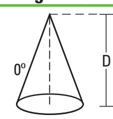
5" Trims • 900 Series • 80 CRI

ML5609830-592SC

Test Number	P130004
Light Module	900 Series, 80CRI
Trim	5" Aperture, Specular Clear Trim
Lumens	991
Efficacy	74 Lm/W
SC	1.06

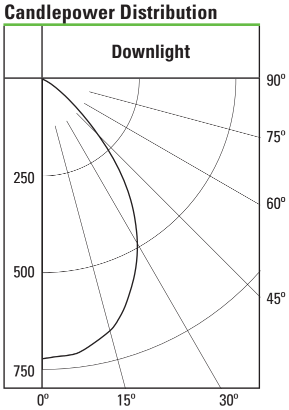


Cone of Light



D	FC	L	W
5.5	23.9	5.8	5.8
7	14.7	7.2	7.2
8	11.3	8.4	8.4
9	8.9	9.4	9.4
10	7.2	10.4	10.4
12	5	12.6	12.6

Candlepower Distribution

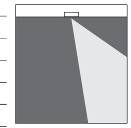


Zonal Lumen Summary

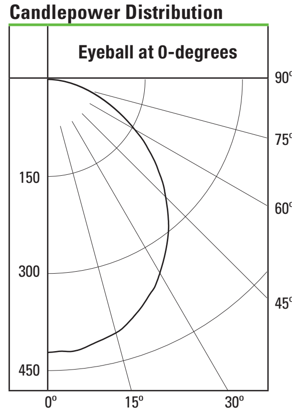
Zone	Lumens	%Fixture
0-30	513	51.8
0-40	765	77.2
0-60	979	98.8
0-90	991	100
90-180	0	0
0-180	991	100

ML5609830-594WB

Test Number	P130060
Light Module	900 Series, 80CRI
Trim	5" Aperture, Directional Eyeball
Lumens	1100
Efficacy	82.1 Lm/W
SC	1.22



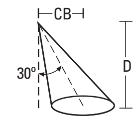
Candlepower Distribution



Zonal Lumen Summary

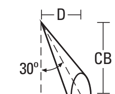
Zone	Lumens	%Fixture
0-30	324	29.5
0-40	523	47.6
0-60	892	81
0-90	1100	100
90-180	0	0
0-180	1100	100

30° Horizontal Plane



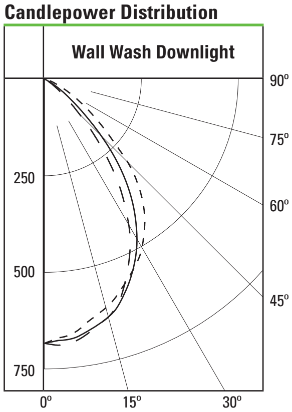
D	FC	L	W	CB
5.5	12.3	6.6	6.6	3.2
7	7.6	8.3	8.6	4
8	5.8	9.6	9.8	4.6
9	4.6	10.7	11	5.2
10	3.7	11.9	12.2	5.8
12	2.6	14.3	14.6	6.9

30° Vertical Plane



D	FC	L	W	CB
1'	240.2	1.1	1.2	1.7
2'	60.1	2.2	2.6	3.5
3'	26.7	3.3	3.8	5.2
4'	15	4.5	5.2	6.9
5'	9.6	5.6	6.6	8.7
6'	6.7	6.7	7.8	10.4

Candlepower Distribution

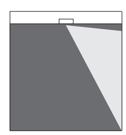


Legend

0-deg: — — — — —	Wall
90-deg: ————————	Side
180-deg: —— —— ——	Room

ML5609830-595WW

Test Number	P130084
Light Module	900 Series, 80CRI
Trim	5" Aperture, Wall Wash with Specular Clear Trim and Specular Clear Kick Reflector
Lumens	990
Efficacy	73.9 Lm/W
SC	1.06



Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	486	49.1
0-40	732	73.9
0-60	964	97.4
0-90	990	100
90-180	0	0
0-180	990	100

Single Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	●	1'	2'	3'	4'	5'	6'
1'	4	2.7	1	0.3	0.1	0	0
2'	14.1	10.3	4.4	1.3	0.4	0.1	0
3'	16.4	13.6	7.4	2.9	1.1	0.4	0.1
4'	11.5	10.4	7.4	4	1.8	0.8	0.3
5'	7.6	7.1	5.7	3.8	2.2	1.1	0.5
6'	5.1	4.9	4.2	3.1	2.2	1.3	0.7
7'	3.5	3.4	3	2.4	1.8	1.3	0.8
8'	2.5	2.5	2.3	1.9	1.5	1.1	0.8
9'	1.9	1.8	1.7	1.5	1.2	1	0.7
10'	1.4	1.4	1.3	1.2	1	0.8	0.7

Multiple Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	--3'--			--4'--		
1'	4.3	3.3	4.3	4.1	1.9	4.1
2'	15.4	14	15.4	14.5	8.8	14.5
3'	19.3	20.9	19.3	17.5	14.7	17.5
4'	15.5	17.7	15.5	13.3	14.8	13.3
5'	11.4	12.7	11.4	9.9	11.4	9.9
6'	8.2	9	8.2	7.3	8.3	7.3
7'	6	6.4	6	5.4	6.1	5.4
8'	4.4	4.7	4.4	4.1	4.5	4.1
9'	3.3	3.5	3.3	3.1	3.4	3.1
10'	2.6	2.7	2.6	2.4	2.6	2.4

Photometric tests are per IES measurement standards. Tests represent typical fixture performance. Field results may vary.

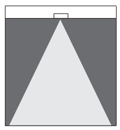
Multiplier Table

CCT Option	2700 K	3000 K	3500 K	4000 K
CCT Multiplier	0.93	1.00	1.02	1.04

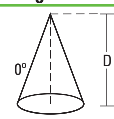
Table based upon testing with 3000°K color temperature, 80CRI.
Multipliers may be used to determine relative lumen values with other color temperatures.

ML5609830-692SC

Test Number	P130100
Light Module	900 Series, 80CRI
Trim	6” Aperture, Specular Clear Trim
Lumens	1023
Efficacy	76.3 Lm/W
SC	0.66

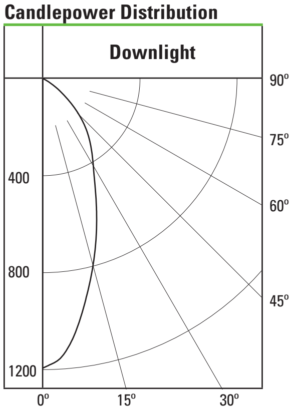


Cone of Light



D	FC	L	W
5.5	39.4	3.6	3.6
7	24.4	4.6	4.6
8	18.6	5.2	5.2
9	14.7	5.8	5.8
10	11.9	6.6	6.6
12	8.3	7.8	7.8

Candlepower Distribution

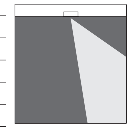


Zonal Lumen Summary

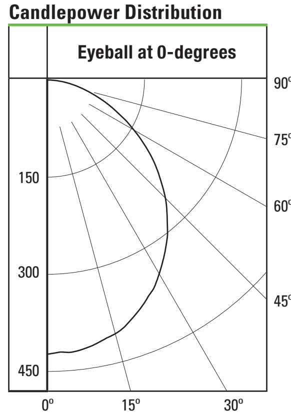
Zone	Lumens	%Fixture
0-30	562	54.9
0-40	778	76.1
0-60	1009	98.7
0-90	1023	100
90-180	0	0
0-180	1023	100

ML5609830-694WB

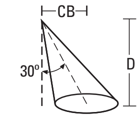
Test Number	P130156
Light Module	900 Series, 80CRI
Trim	6” Aperture, Directional Eyeball
Lumens	1099
Efficacy	82 Lm/W
SC	1.21



Candlepower Distribution

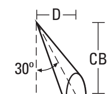


30° Horizontal Plane



D	FC	L	W	CB
5.5	12.3	6.6	6.6	3.2
7	7.6	8.3	8.6	4
8	5.8	9.6	9.8	4.6
9	4.6	10.7	11	5.2
10	3.7	12	12.2	5.8
12	2.6	14.3	14.6	6.9

30° Vertical Plane

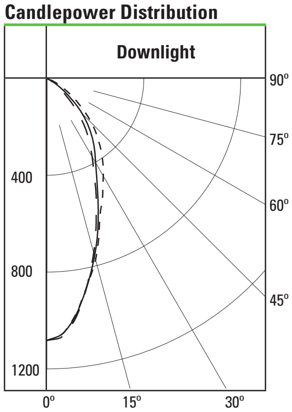


D	FC	L	W	CB
1'	240.2	1.1	1.2	1.7
2'	60.1	2.2	2.6	3.5
3'	26.7	3.3	3.8	5.2
4'	15	4.5	5.2	6.9
5'	9.6	5.6	6.6	8.7
6'	6.7	6.7	7.8	10.4

Zonal Lumen Summary

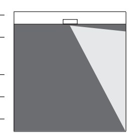
Zone	Lumens	%Fixture
0-30	324	29.5
0-40	523	47.6
0-60	891	81.1
0-90	1099	100
90-180	0	0
0-180	1099	100

Candlepower Distribution



ML5609830-695WW

Test Number	P130180
Light Module	900 Series, 80CRI
Trim	6” Aperture, Wall Wash with Specular Clear Trim and Specular Clear Kick Reflector
Lumens	997
Efficacy	74.4 Lm/W
SC	0.69



Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	533	53.5
0-40	745	74.8
0-60	974	97.7
0-90	997	100
90-180	0	0
0-180	997	100

Legend

0-deg: — — — — — Wall
90-deg: ———— Side
180-deg: — — — Room

Single Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	●	1'	2'	3'	4'	5'	6'
1'	3	1.7	0.6	0.2	0.1	0	0
2'	13	9.3	4	1.3	0.3	0.1	0
3'	13.9	11.3	6.6	2.9	1.1	0.4	0.1
4'	10.5	9	6.2	3.6	1.8	0.8	0.3
5'	7.4	6.6	5	3.3	2	1.1	0.5
6'	5.3	4.8	3.8	2.7	1.8	1.2	0.7
7'	3.9	3.6	3	2.2	1.6	1.1	0.7
8'	3	2.8	2.3	1.8	1.3	1	0.7
9'	2.3	2.2	1.9	1.5	1.1	0.8	0.6
10'	1.8	1.7	1.5	1.2	1	0.7	0.6

Multiple Unit Footcandles

2.5' From Wall (Distance From Fixture Along Wall)

DD	--3'--			--4'--		
1'	3.2	2.2	3.2	3	1.2	3
2'	14.3	13	14.3	13.4	8.1	13.4
3'	16.9	18.2	16.9	15	13.2	15
4'	14.1	15.5	14.1	12.2	12.5	12.2
5'	10.7	11.7	10.7	9.4	9.9	9.4
6'	8	8.8	8	7.1	7.7	7.1
7'	6.2	6.7	6.2	5.5	5.9	5.5
8'	4.8	5.2	4.8	4.4	4.6	4.4
9'	3.8	4.1	3.8	3.5	3.7	3.5
10'	3	3.3	3	2.8	3	2.8

Photometric tests are per IES measurement standards. Tests represent typical fixture performance. Field results may vary.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Eaton’s Cooper Lighting Business
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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March 2015


STE. A-1


PARKING


PED
XING
FIRE LANE

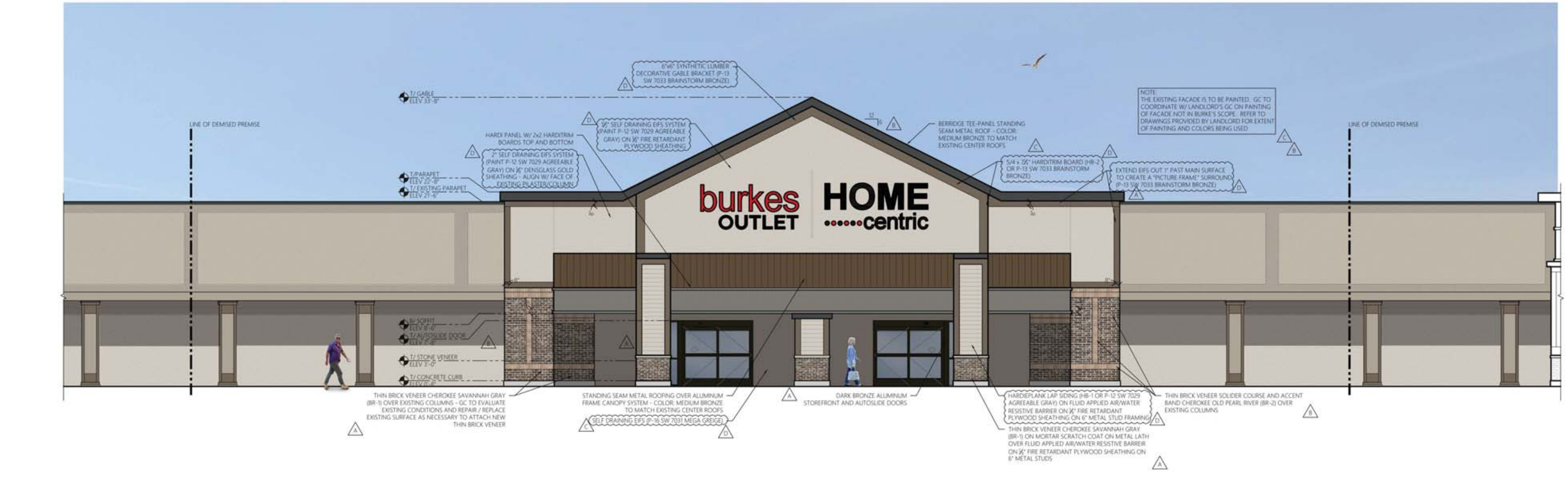

The Purple Cow
AURORA
Beauty Salon
CONFECTIONS
COCKTAILS


ISLAND TRAVEL
Island Travel
Buck
ESCORTED TRA
NO PARKING

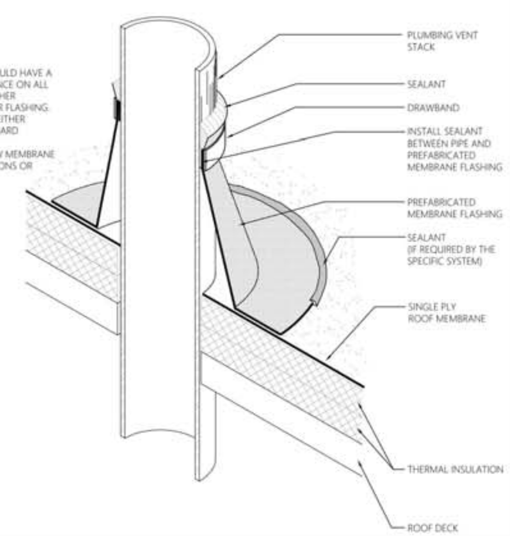

Bridge
Club


Replace


Replace
BUD LIGHT

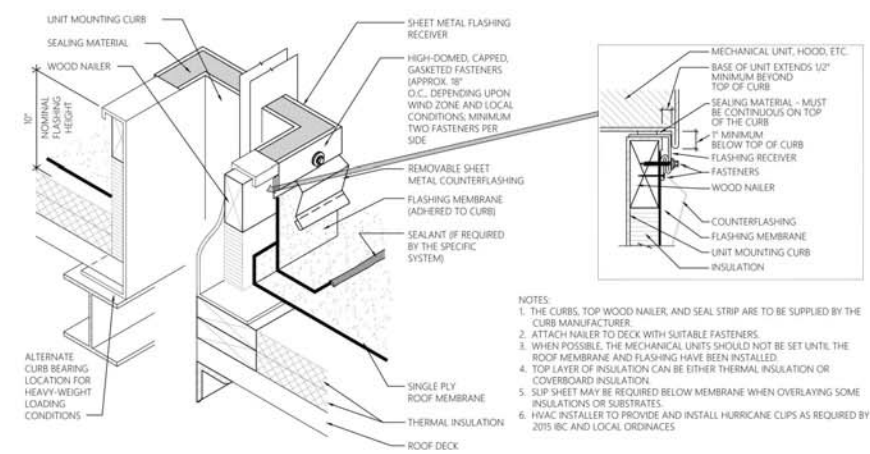


1 ENTRY ELEVATION 3/16" = 1'-0"



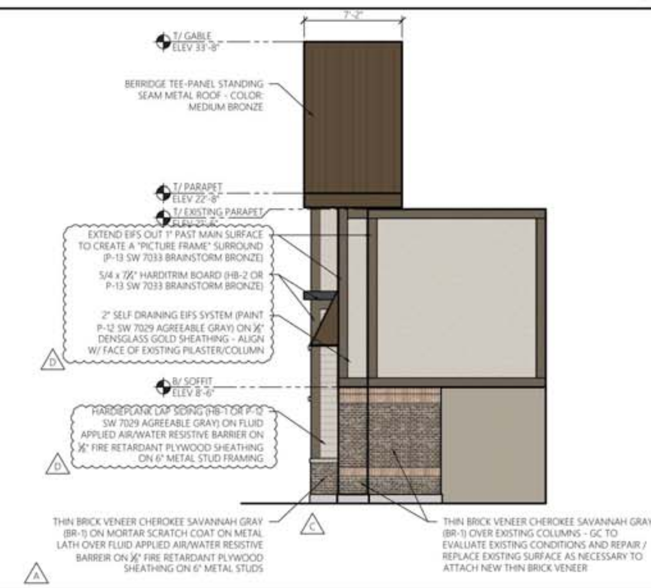
NOTES:
1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
2. TOP LAYER OF INSULATION CAN BE EITHER THERMAL INSULATION OR COVERBOARD INSULATION.
3. SLIP SHEET MAY BE REQUIRED BELOW MEMBRANE WHEN OVERLAYING SOME INSULATIONS OR SUBSTRATES.

5 TYPICAL ROOF PENETRATION DETAIL 1 1/2" = 1'-0"

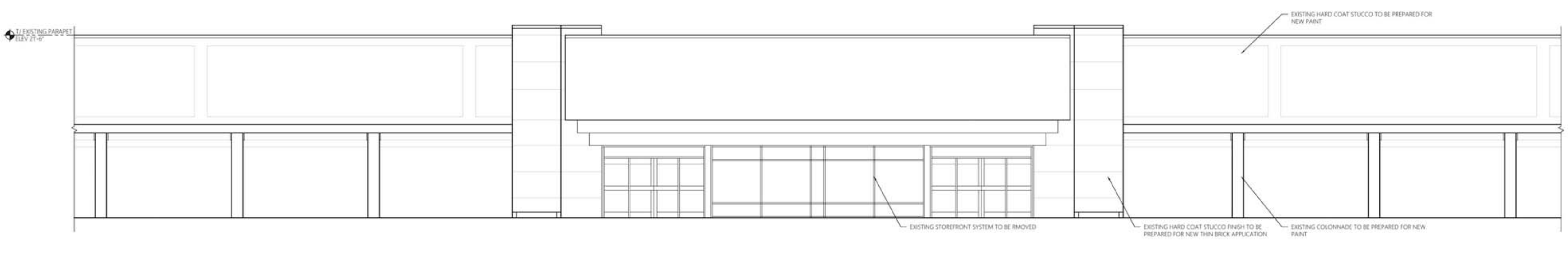


NOTES:
1. THE CURBS, TOP WOOD NAILER, AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER.
2. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
3. WHEN POSSIBLE, THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.
4. TOP LAYER OF INSULATION CAN BE EITHER THERMAL INSULATION OR COVERBOARD INSULATION.
5. SLIP SHEET MAY BE REQUIRED BELOW MEMBRANE WHEN OVERLAYING SOME INSULATIONS OR SUBSTRATES.
6. HVAC INSTALLER TO PROVIDE AND INSTALL HURRICANE CLIPS AS REQUIRED BY 2015 IBC AND LOCAL ORDINACES

4 TYPICAL RTU CURB DETAIL 1 1/2" = 1'-0"



2 ENTRY ELEVATION 3/16" = 1'-0"



3 EXISTING ENTRY ELEVATION 3/16" = 1'-0"

COR3 DESIGN, LLC ARCHITECTURE
Architect: Ralph M. Coleman
COR3 Design, LLC
Commercial, Office, Retail, Restaurant, Real Estate Development
201 RIVERPLACE
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Greenville, SC 29601
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Fax: 864.990.3085
www.cor3design.com

Consultants:

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Fuller Group, LLC
1350 C Cleveland Street
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864.235.3580

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Greenville, SC 29607
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MECHANICAL
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Greenville, SC 29607
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ELECTRICAL
H2L
116 South Pleasantburg Drive
Greenville, SC 29607
864.233.8844

Project Title:
#327 BURKES HOME CENTRIC
95 MATTHEWS DRIVE
HILTON HEAD, SC 29926

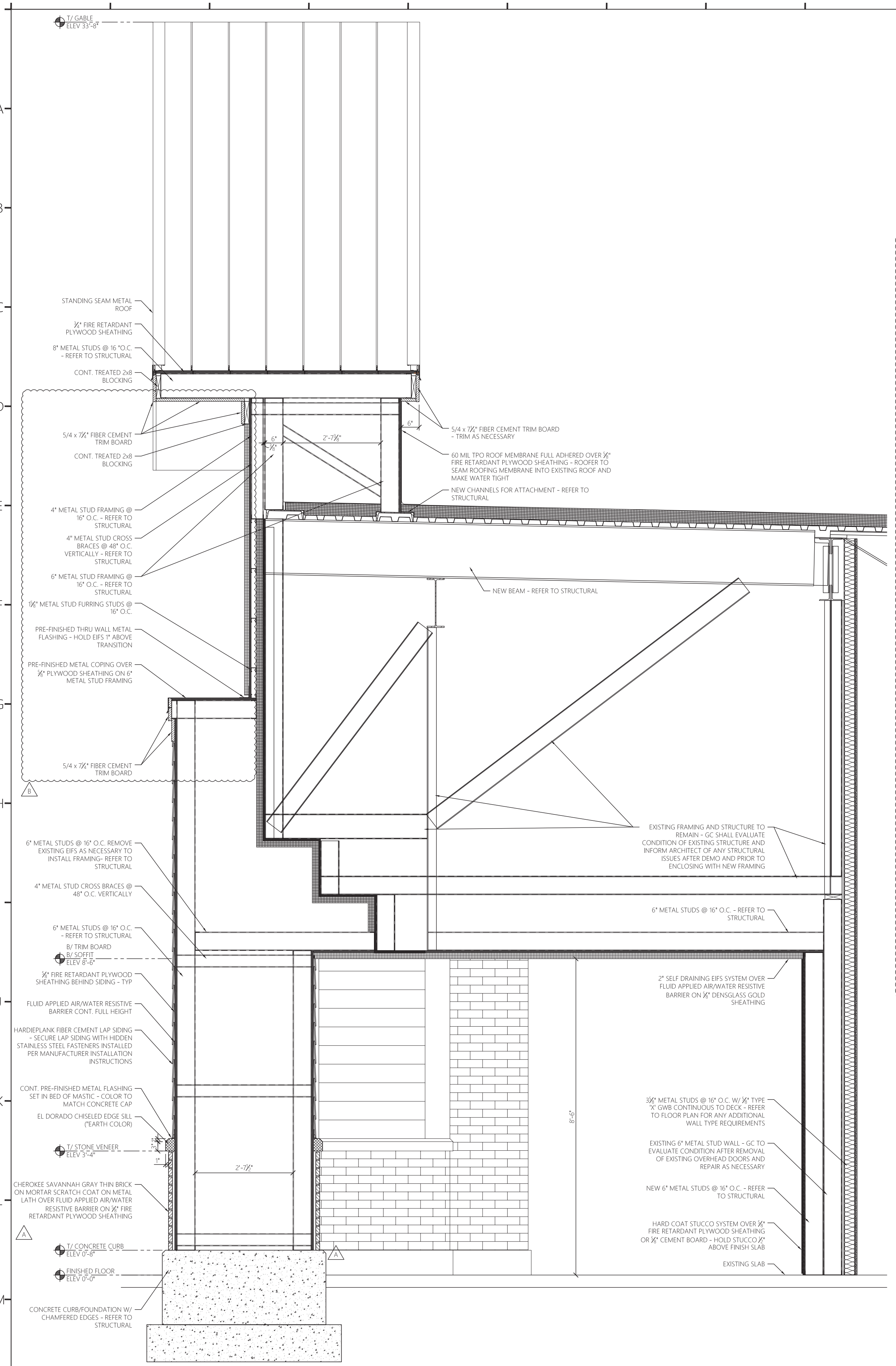
Client Logo:
bealls OUTLET. HOME centric

Seals:
STATE OF SOUTH CAROLINA REGISTERED ARCHITECTS COR 3 DESIGN LLC GREENVILLE, SC 100698
STATE OF SOUTH CAROLINA REGISTERED ARCHITECT RALPH M. COLEMAN GREENVILLE, SC 03542

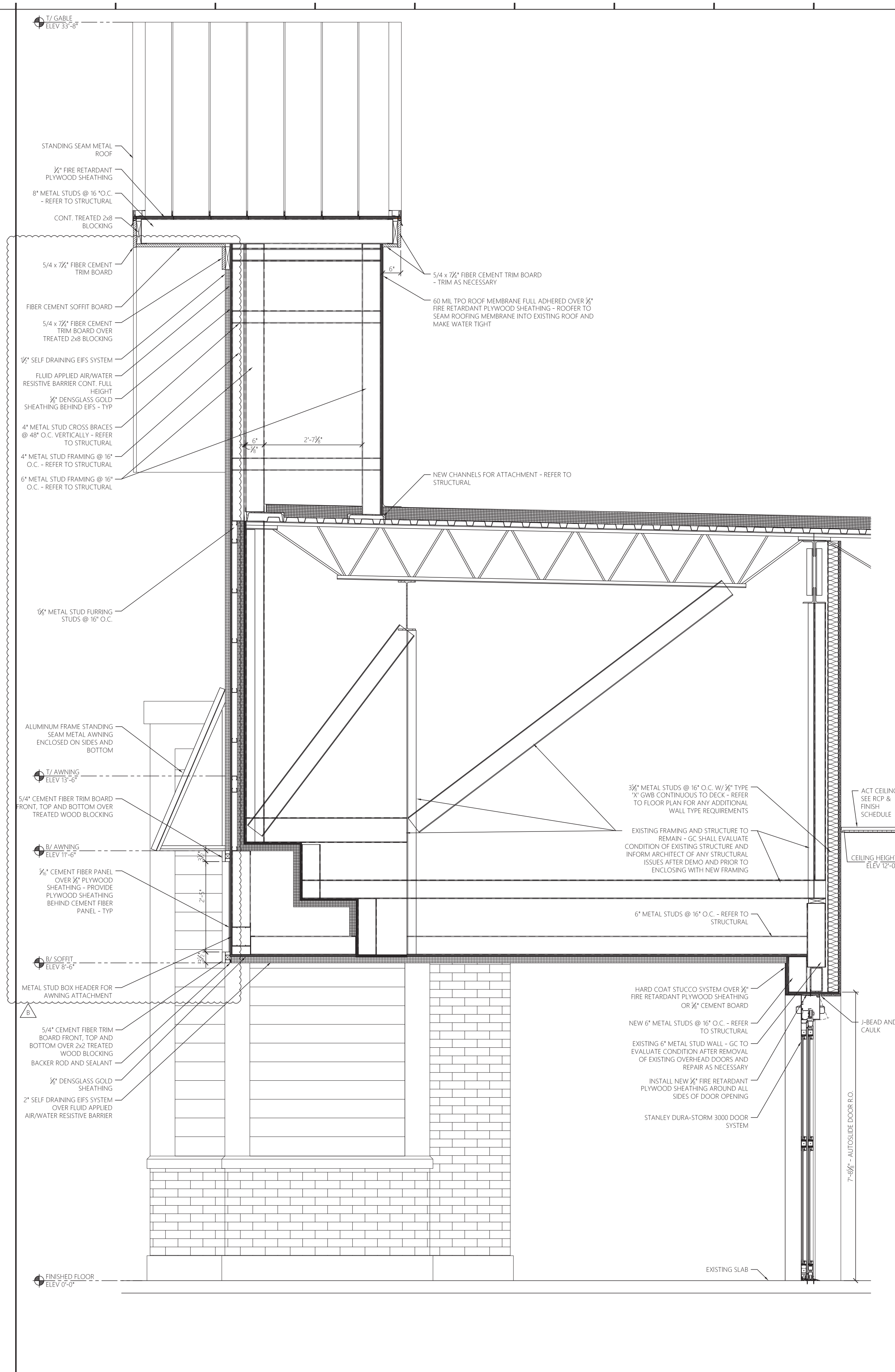
Revisions:

	10.11.2019	Issue for Permit
A	11.07.2019	Zoning Review Comments
B	11.22.2019	Zoning Review Comments
C	12.19.2019	Building Plan Review Comments
D	01.07.2020	DRB Staff Comments

Project Number: 19029
Phase: CD
Date: 10.11.2019
Drawn By: -
Checked By: -
Sheet Number: AE201
Sheet Title: EXTERIOR ELEVATIONS



1 WALL SECTION 3/4" = 1'-0"



2 WALL SECTION 3/4" = 1'-0"

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Architect: Ralph M. Coleman
COR3 Design, LLC
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ELECTRICAL
H2L
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Greenville, SC 29607
864.233.8844

Project Title :

#327 BURKES HOME CENTRIC

95 MATTHEWS DRIVE
HILTON HEAD, SC 29926

Client Logo:

bealls OUTLET | HOME centric

Seals :

STATE OF SOUTH CAROLINA REGISTERED ARCHITECTS COR 3 DESIGN LLC GREENVILLE, SC 100698

STATE OF SOUTH CAROLINA REGISTERED ARCHITECT RALPH M. COLEMAN GREENVILLE, SC 03542

Revisions :

	10.11.2019	Issue for Permit
A	11.25.2019	Zoning Review Comments
B	12.19.2019	Zoning Review Comments

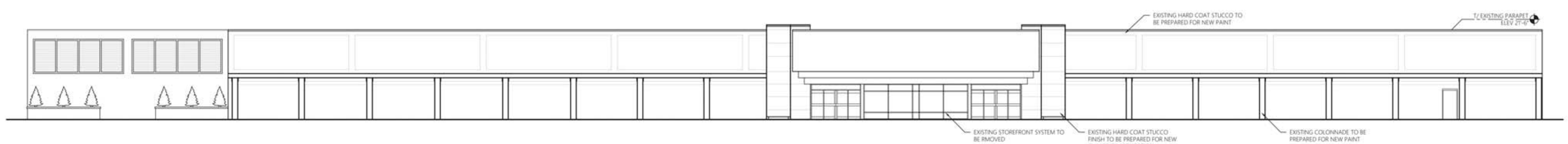
Project Number : 19029
Phase : CD
Date : 10.11.2019
Drawn By : -
Checked By : -
Sheet Number:

AE203

Sheet Title :
WALL SECTIONS

G1 | PROPOSED ELEVATION

3/32" = 1'-0"



N1 | EXISTING ELEVATION

3/32" = 1'-0"

COR3 DESIGN, LLC ARCHITECTURE

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Greenville, SC 29607
864.271.6535

ELECTRICAL
H2L
116 South Pleasantburg Drive
Greenville, SC 29607
864.233.8844

Project Title :
PORT ROYAL PLAZA RENOVATIONS
95 MATHEWS DRIVE
HILTON HEAD ISLAND, SC

Client Logo:
FLETCHER BRIGHT COMPANY

Seals :

Revisions :
A 12.23.2019 Revised DRB Submittal
B 01.07.2020 DRB Staff Comments

Project Number : 19050
Phase : SD
Date : 11.19.2019
Drawn By : -
Checked By : -
Sheet Number: A5.01
Sheet Title : PROPOSED ELEVATION

PAINT - SHERWIN WILLIAMS
7031 MEGA GREIGE

PAINT - SHERWIN WILLIAMS
7029 AGREEABLE GRAY

PAINT – SHERWIN WILLIAMS
7033 BRAINSTORM BRONZE

PAINT – SHERWIN WILLIAMS
7030 ANEW GRAY

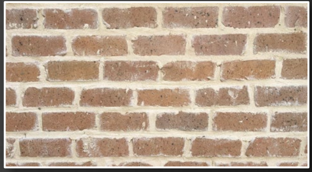
PAINT – SHERWIN WILLIAMS
7015 REPOSE GRAY

STANDING SEAM METAL ROOFING
BERRIDGE CHARCOAL GRAY

STANDING SEAM METAL AWNING
BERRIDGE MEDIUM BRONZE

ALUMINUM STOREFRONT
DARK BRONZE

BRICK- CHEROKEE
SAVANNAH GRAY



BRICK- CHEROKEE
OLD PEARL RIVER

Burkes# 327 and Port Royal Renovations
Port Royal Plaza, Hilton Head, SC

DESIGN TEAM/DRB COMMENT SHEET

The comments below are staff recommendations to the Design Review Board (DRB) and do NOT constitute DRB approval or denial.

PROJECT NAME: Burkes Outlet DRB#: DRB-000027-2020

DATE: 01/06/2020 01/08/2020

RECOMMENDATION: Approval ☐ Approval with Conditions ☒ Denial ~~☒~~

RECOMMENDED CONDITIONS:

1. Expanded planter to the left and right of the entrance façade to the extent possible and plant a large street tree in each.
2. Provide a landscape plan of the new planter and existing parking lot landscape islands for review and approval by Staff.

APPLICATION MATERIAL

DRB REQUIREMENTS	Complies Yes	No	Not Applicable	Comments or Conditions
Detail Illustrating Connection to Existing Structure	☐	☒	☐	~~Provide a section through the façade addition illustrating how it works with the existing structure.~~

LANDSCAPE DESIGN

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Treats the Landscape as a major element of the project	☐	☒	☐	Provide a planting plan specifying species and size. The note is not sufficient to specify landscaping.

MISC COMMENTS/QUESTIONS

1. ~~It is unclear what the color of the proposed stucco, lap siding and trim are for the Burkes Outlet. In the illustration this façade appears lighter than the rest. Please be more specific what color goes where.~~

Town of Hilton Head Island

Community Development Department
One Town Center Court
Hilton Head Island, SC 29928
Phone: 843-341-4757 Fax: 843-842-8908
www.hiltonheadislandsc.gov

FOR OFFICIAL USE ONLY
Date Received: ______
Accepted by: ______
DRB #: ______
Meeting Date: ______

Applicant/Agent Name: Brian Doiron Company: COR3 Design, LLC
Mailing Address: 201 RiverPlace, Suite 401 City: Greenville State: SC Zip: 29609
Telephone: 864.990.0363 Fax: 864.990.3085 E-mail: bdoiron@cor3design.com
Project Name: Port Royal Plaza Renovations Project Address: 95 Matthews Drive, Hilton Head, SC 29926
Parcel Number [PIN]: R 5 1 1 0 0 8 0 0 0 1 9 2 A 0 0 0 0
Zoning District: CC Overlay District(s): COD

CORRIDOR REVIEW, MAJOR
DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS

Digital Submissions may be accepted via e-mail by calling 843-341-4757.

Project Category:

_____ Concept Approval – Proposed Development
_____ Final Approval – Proposed Development
__X__ Alteration/Addition
_____ Sign

Submittal Requirements for ***All*** projects:

__NA__ Private Architectural Review Board (ARB) Notice of Action (if applicable): When a project is within the jurisdiction of an ARB, the applicant shall submit such ARB's written notice of action per LMO Section 16-2-103.I.4.b.iii.01. Submitting an application to the ARB to meet this requirement is the responsibility of the applicant.

__X__ Filing Fee: Concept Approval-Proposed Development $175, Final Approval – Proposed Development $175, Alterations/Additions $100, Signs $25; cash or check made payable to the Town of Hilton Head Island.

Additional Submittal Requirements:

Concept Approval – Proposed Development

_____ A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
_____ A site analysis study to include specimen trees, access, significant topography, wetlands, buffers, setbacks, views, orientation and other site features that may influence design.
_____ A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis results.
_____ Context photographs of neighboring uses and architectural styles.
_____ Conceptual site plan (to scale) showing proposed location of new structures, parking areas and landscaping.
_____ Conceptual sketches of primary exterior elevations showing architectural character of the proposed development, materials, colors, shadow lines and landscaping.

Additional Submittal Requirements:
Final Approval – Proposed Development
_____ A final written narrative describing how the project conforms with the conceptual approval and design review guidelines of Sec. 16-3-106.F.3.
_____ Final site development plan meeting the requirements of Appendix D: D-6.F.
_____ Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I.
_____ Final floor plans and elevation drawings (1/8"=1'-0" minimum scale) showing exterior building materials and colors with architectural sections and details to adequately describe the project.
_____ A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation.
_____ Any additional information requested by the Design Review Board at the time of concept approval, such as scale model or color renderings, that the Board finds necessary in order to act on a final application.

Additional Submittal Requirements:
Alterations/Additions
__X__ All of the materials required for final approval of proposed development as listed above, plus the following additional materials.
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__X__ Photographs of existing structure.

Additional Submittal Requirements:
Signs
_____ Accurate color rendering of sign showing dimensions, type of lettering, materials and actual color samples.

For freestanding signs:
_____ Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.
_____ Proposed landscaping plan.

For wall signs:
_____ Photograph or drawing of the building depicting the proposed location of the sign.
_____ Location, fixture type, and wattage of any proposed lighting.

Note: All application items must be received by the deadline date in order to be reviewed by the DRB per LMO Appendix D: D-23.

A representative for each agenda item is strongly encouraged to attend the meeting.

Are there recorded private covenants and/or restrictions that are contrary to, conflict with, or prohibit the proposed request? If yes, a copy of the private covenants and/or restrictions must be submitted with this application. ☐YES ☒NO

To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

I further understand that in the event of a State of Emergency due to a Disaster, the review and approval times set forth in the Land Management Ordinance may be suspended.

[signature]
SIGNATURE

11.22.2019
DATE

November 27, 2019

Project Name: Port Royal Plaza – Hilton Head Island
Project Location: 95 Matthews Drive Hilton Head Island, SC 29926
Project Number: 19050

Re: DRB 002433-2019
To: Town of Hilton Head Design Review Board

The following is an outline of work to be done at 95 Matthews Drive (the old Sam's Club space) to create two new spaces and entries beside the proposed Burkes (DRB 002333-2019):

- The existing façade is to be updated by adding two new entries, featuring gabled roofs to tie into the existing center. We used elements from the existing center by looking at the existing 4-sided free-standing gable structures and utilizing those design elements in creating the new entries. The entries have been designed to stand off the building allowing pedestrians to walk at the building line passing behind the new entry features. Each end will tie into the existing colonnade to provide continuously covered pedestrian walkway. The new façade will incorporate the use of new brick veneer, fiber cement panels and trim boards and EIFS. See list of materials below and the provided sample board.
- The interior space will be demised and split into separate spaces as indicated on the included floor plan. The Burkes space will be the center space and will utilize the existing entry location as outlined in the DRB 00233-2019 submittal. The two remaining spaces will be demised and supplied with new utilities including water, sanitary sewer and electrical service.
- Please refer to the DRB 002333-2019 submittal for the interior of the Burkes space. The interiors for the two adjacent space will be developed as vanilla boxes. Including the above-mentioned new utilities, restrooms, new lighting and HVAC as needed. New HVAC will be provided as necessary to ensure adequate space conditioning. The existing slab will be cleaned, filled and leveled to except any new tenant's flooring.
- Landscaping upgrades will be installed per city ordinance at each of the parking lot islands immediately in front of the Sam's Building.

List of exterior paint color:

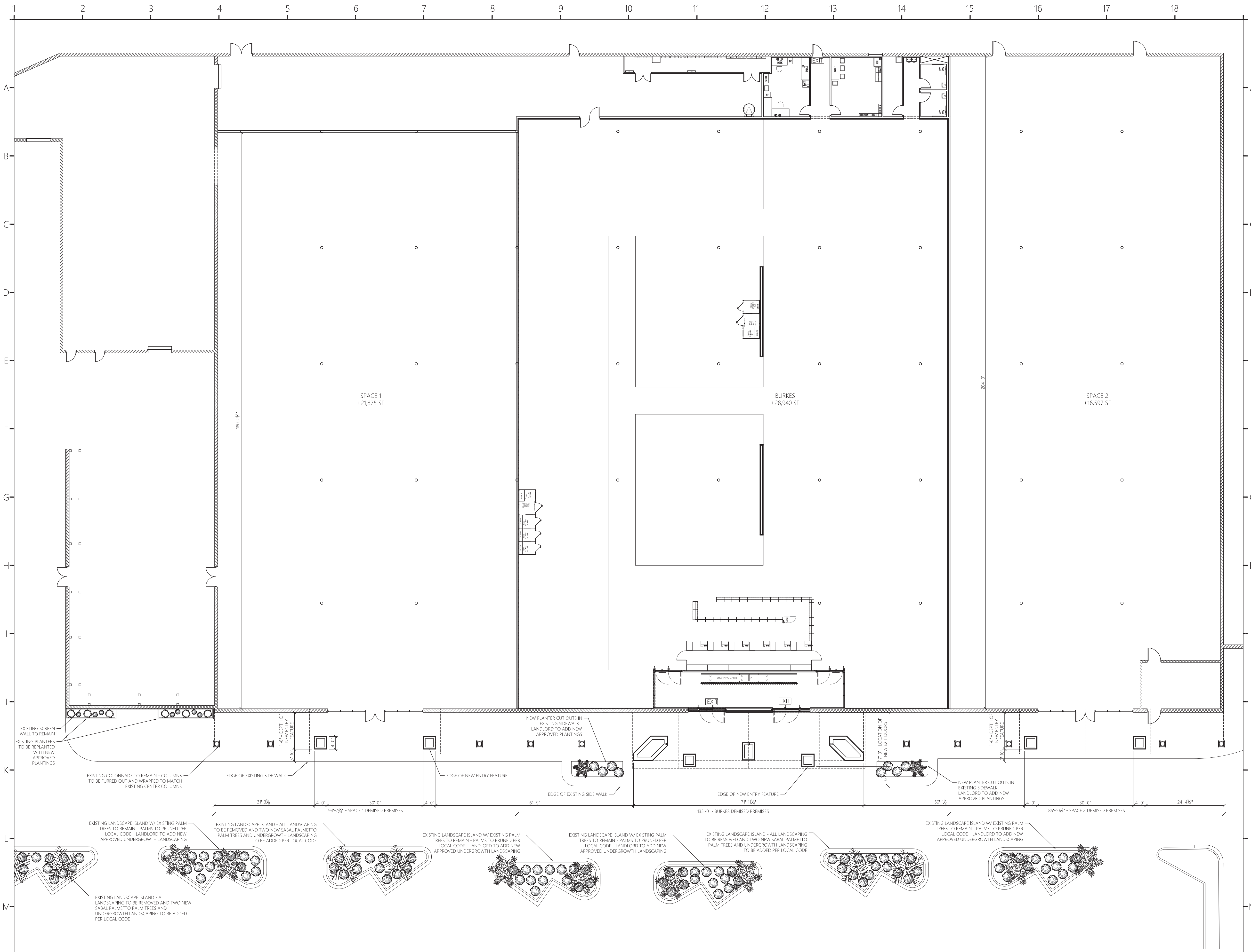
- EIFS Main Façade – Sherwin Williams SW7077 Original White
- Standing Seam Metal Roof – Tee Panel system in Charcoal Gray
- Fiber Cement Panels and Trim Board– Sherwin Williams SW7029 Agreeable Gray (Panel) SW7033 Brainstrom Bronze (Trim Board)

- Existing façade and arbor structure – Sherwin Williams SW7031 Mega Greige and SW7077 Original White
- Brick Veneer – Cherokee Savannah River Gray

Should you have additional questions, comments or concerns, please let us know.

Thank you,

Brian Doiron



N1 PROPOSED FLOOR PLAN

3/32" = 1'-0"

COR3 DESIGN, LLC ARCHITECTURE

COR3 Design, LLC
Commercial, Office, Retail, Restaurant, Real Estate Development
201 RiverPlace
Suite 401
Greenville, SC 29601
Phone: 864.451.5288
Fax: 864.990.3085
www.cor3design.com

Consultants:

STRUCTURAL
Fuller Group, Inc.
1350 C Cleveland Street
Greenville, SC 29607
864.235.3580

PLUMBING
LWI Consulting Engineers
25 Woodslake Road, Suite 709
Greenville, SC 29607
864.271.6535

MECHANICAL
LWI Consulting Engineers
25 Woodslake Road, Suite 709
Greenville, SC 29607
864.271.6535

ELECTRICAL
H2L
116 South Pleasantburg Drive
Greenville, SC 29607
864.233.8844

Project Title :
PORT ROYAL PLAZA RENOVATIONS
95 MATHEWS DRIVE
HILTON HEAD ISLAND, SC

Client Logo:
FLETCHER BRIGHT COMPANY

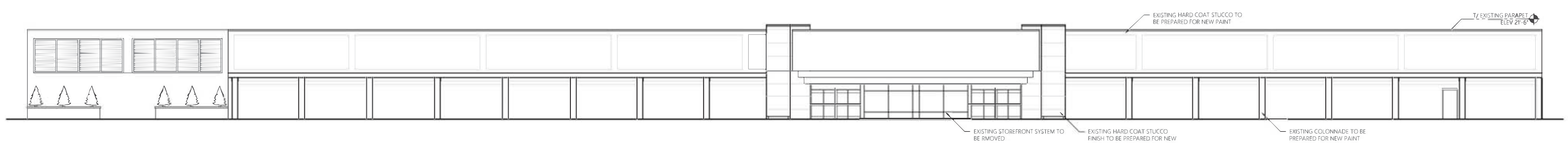
Seals :

Revisions :
A 12.23.2019 Revised DRB Submittal

Project Number : 19050
Phase : DD
Date : 11.27.2019
Drawn By : -
Checked By : -
Sheet Number: A2.01
Sheet Title : PROPSED FLOOR PLAN

G1 PROPOSED ELEVATION

3/32" = 1'-0"



N1 EXISTING ELEVATION

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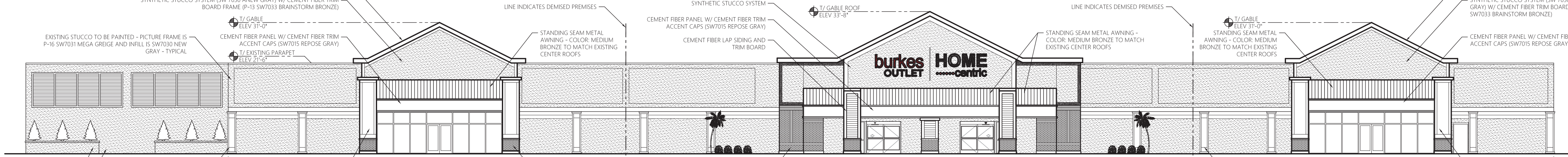
Revisions:

Project Number:
19050
Phase:
SD
Date:
11.19.2019
Drawn By:
-
Checked By:
-
Sheet Number:
A5.01
Sheet Title:
PROPOSED ELEVATION



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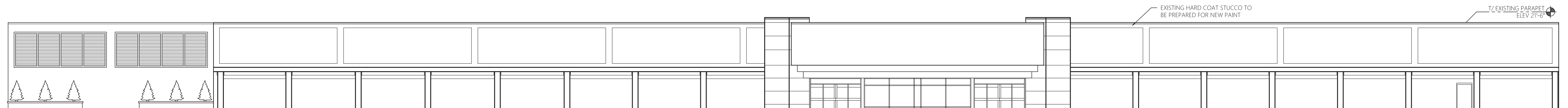

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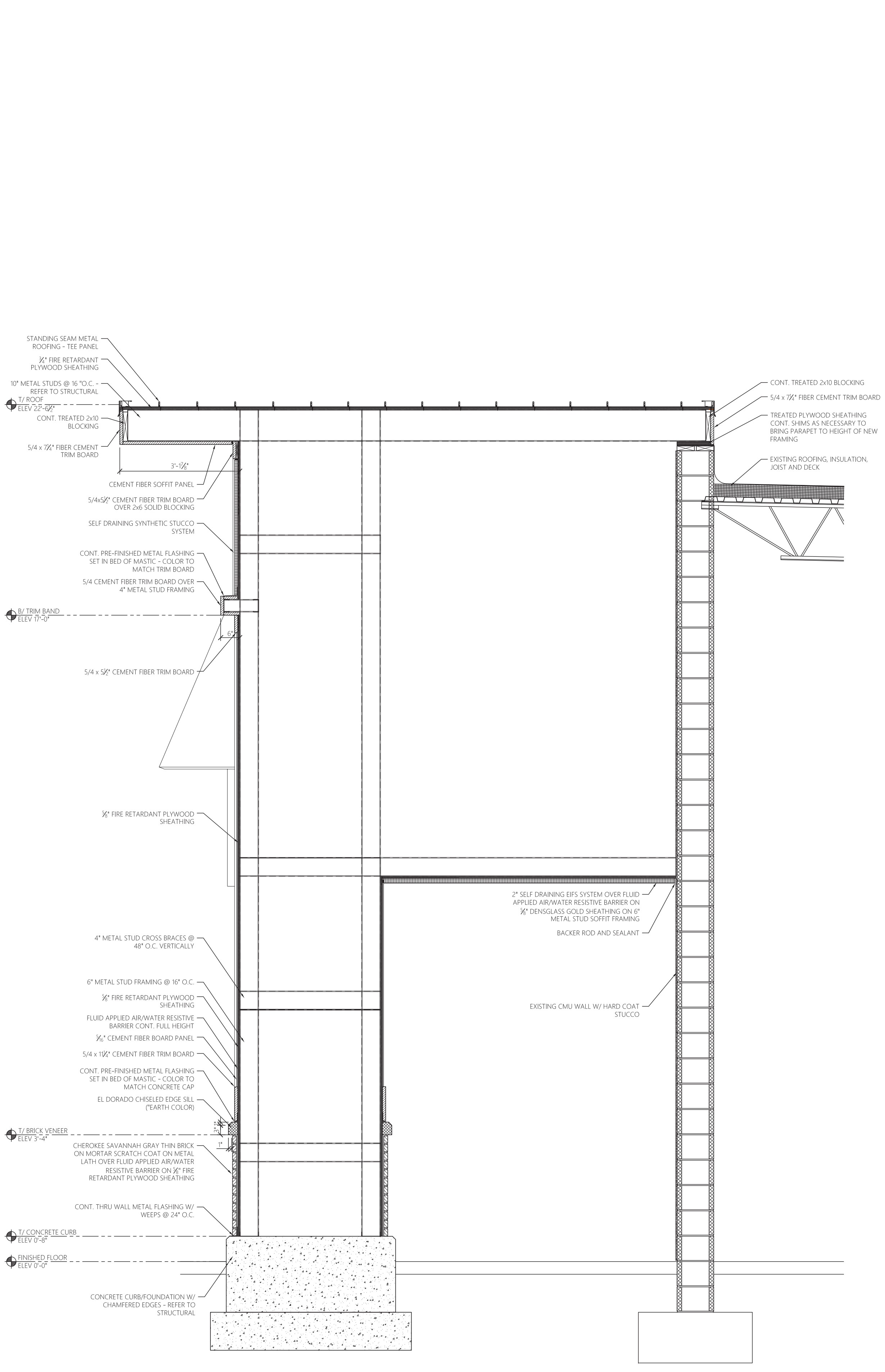
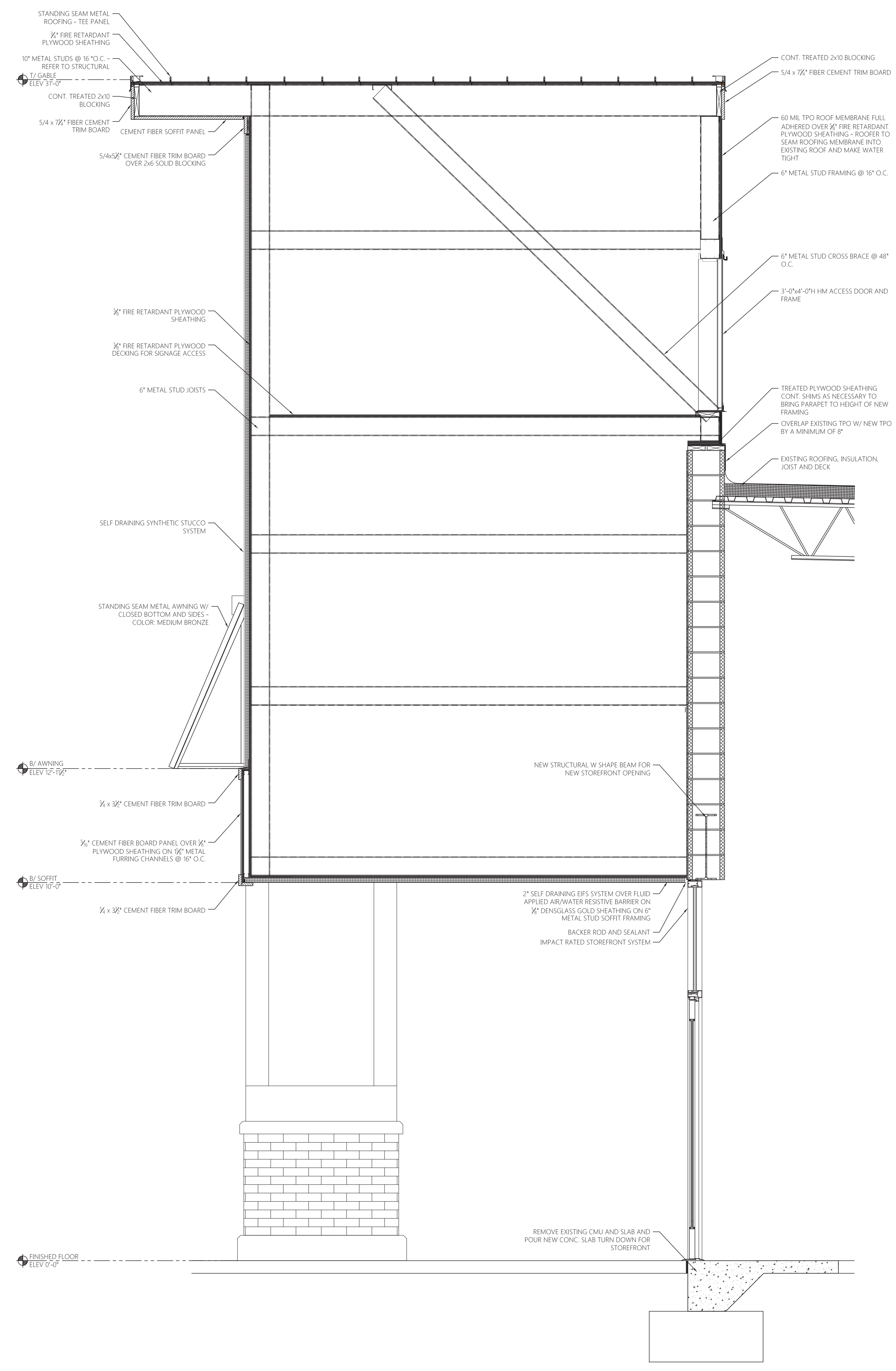
Project Number :
19050
Phase :
SD
Date :
11.19.2019
Drawn By :
-
Checked By :
-
Sheet Number:
A5.01
Sheet Title :
PROPOSED ELEVATION



N1 PROPOSED WALL SECTION 3/4" = 1'-0"



N10 PROPOSED WALL SECTION 3/4" = 1'-0"

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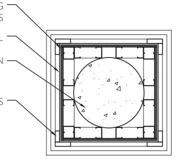
Seals :

Revisions :

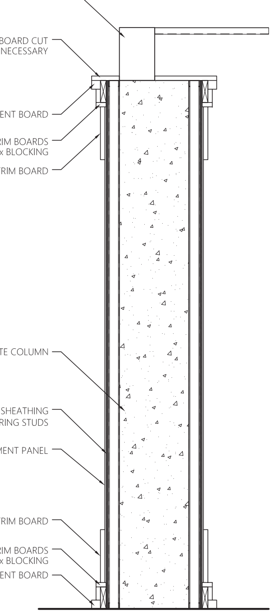
Project Number : 19050
Phase : DD
Date : 12.04.2019
Drawn By : -
Checked By : -
Sheet Number:

A6.11

Sheet Title :
PROPOSED WALL SECTION



PLAN



SECTION

N1 PROPOSED COLUMN WRAP DETAILS

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Seals :

Revisions :
10.05.2017 Issue for Permit

Project Number :
19050
Phase :
PROJECT PHASE: SD, DD, CD
Date :
EDIT IN TEMP. PROP.
Drawn By :
-
Checked By :
-
Sheet Number:
A6.12
Sheet Title :
PROPSED COLUMN WRAP DETAILS

PAINT - SHERWIN WILLIAMS
7031 MEGA GREIGE

PAINT - SHERWIN WILLIAMS
7029 AGREEABLE GRAY

PAINT – SHERWIN WILLIAMS
7033 BRAINSTORM BRONZE

PAINT – SHERWIN WILLIAMS
7030 ANEW GRAY

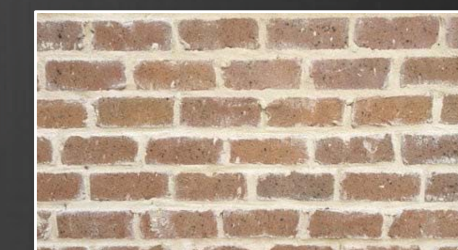
PAINT – SHERWIN WILLIAMS
7015 REPOSE GRAY

STANDING SEAM METAL ROOFING
BERRIDGE CHARCOAL GRAY

STANDING SEAM METAL AWNING
BERRIDGE MEDIUM BRONZE

ALUMINUM STOREFRONT
DARK BRONZE

BRICK- CHEROKEE
SAVANNAH GRAY



BRICK- CHEROKEE
OLD PEARL RIVER

Burkes# 327 and Port Royal Renovations
Port Royal Plaza, Hilton Head, SC

DESIGN TEAM/DRB COMMENT SHEET

The comments below are staff recommendations to the Design Review Board (DRB) and do NOT constitute DRB approval or denial.

PROJECT NAME: Port Royal Renovations DRB#: DRB-002636-2019

DATE: 01/07/2020 01/08/2020

RECOMMENDATION: Approval ☐ Approval with Conditions ☒ Denial ☐

RECOMMENDED CONDITIONS:

1. ~~Provide column detail (including connection to roof) at the covered walk for approval by designated DRB member.~~
2. Provide a landscape plan for the existing parking lot landscape islands for review and approval by Staff.

ARCHITECTURAL DESIGN

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Forms an details are sufficient to reduce the mass of the structure	☐	☒	☐	~~Provide a detail of the small column trim work~~

LANDSCAPE DESIGN

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Provides Landscaping of a scope and size that is in proportion to the scale of the development	☐	☒	☐	Provide a landscape plan for the existing parking lot landscape islands for review and approval by Staff.

Town of Hilton Head Island

Community Development Department
One Town Center Court
Hilton Head Island, SC 29928
Phone: 843-341-4757 Fax: 843-842-8908
www.hiltonheadislandsc.gov

FOR OFFICIAL USE ONLY
Date Received: ________
Accepted by: ________
DRB #: ________
Meeting Date: ________

Applicant/Agent Name: Eric Walsnovich Company: Wood + Partners inc.
Mailing Address: 7 Lafayette Place City: Hilton Head Island State: SC Zip: 29925
Telephone: 843-681-6618 x243 Fax: ________ E-mail: ewalsnovich@woodandpartners.com
Project Name: HHI Go Kart Facility Project Address: 33 Broad Creek Marina Way, HHI
Parcel Number [PIN]: R510 011 000 0006 0000, R510 011 000 007F 0000 R510 011 000 0183 0000& R510 011 000 0389 0000
Zoning District: WMU Overlay District(s): COR

CORRIDOR REVIEW, MAJOR
DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS

Digital Submissions may be accepted via e-mail by calling 843-341-4757.

Project Category:
_____ Concept Approval – Proposed Development
__X__ Final Approval – Proposed Development
_____ Alteration/Addition
_____ Sign

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X Final site development plan meeting the requirements of Appendix D: D-6.F.

X Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I.

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_____ Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.

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For wall signs:

_____ Photograph or drawing of the building depicting the proposed location of the sign.

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To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

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_______________________________ December 31, 2019

SIGNATURE DATE

Hilton Head Island Go Kart Facility

33 Broad Creek Marina Way
Hilton Head Island, SC 29926

Project Responses to DRB Conceptual Review

December 31, 2019

DRB – 002454-2019
SEE BELOW FOR RESPONSES TO THE RECOMMENDED CONDITIONS AND COMMENTS REQUIRING REVIEW & APPROVAL BY THE BOARD.

RECOMMENDED CONDITIONS:

The site plan for Final DRB approval should address the following:

1. *The location and screening of the dumpster.*

   This new facility will not create the need for a new dumpster. The existing facility's dumpster will be sufficient.

2. *Provide a tree protection plan with special consideration of those trees identified by Staff.*

   Tree Protection Plan will be shown on the civil plans.

3. *Relocate the stormwater lagoon to open areas on the site.*

   By using the existing underground storm water detention system; installing several small rain gardens; and reducing the area of disturbance, a stormwater lagoon is no longer needed.

4. *Revise the parking lot to accommodate the existing trees identified by Staff and meet parking lot design requirements of the LMO.*

   The parking lot and fire lane access have been revised to save existing trees.

COMMENTS:

An effort has been made to preserve existing trees and under story plants.

1. *Provide a tree protection program by an arborist for the 32/30 LO, 22/24/28 LO, 36 WO/22 LAO/30 LO cluster, 47/62 LO, 23/36 LO, 69 LO/42 LAO cluster and the cluster of smaller LO within the go cart track to include:*
   a. *Tree protection fence to the dripline where possible,*
   b. *Pre and post construction fertilization program,*
   c. *Root stimulant and mycorrhizae treatment,*
   d. *Mulching within the dripline.*

Several trees at the site are already being protected by an Arborist performed treatment plan. The Owner has added the above trees to the treatment plan.
See Civil plan for tree protection fencing locations. Mulch will be provided within tree driplines.

6. Provide a lighting plan with photo metrics at Final.

A Photometrics plan has been provided for both the new one-way entry road, by Palmetto Electric, and the go kart track, by our team's electrical engineer.
See **Appendix A** attached.
All pole light heights will be well below the existing trees canopies and obstructed from view by the neighboring residential properties of Indigo Run.

7. The proposed parking lot is too close to the 69 LO / 42 LAO. Staff understands there is gravel there currently but the minimum distance of 15' from the trunk should be established for the health of the specimen tree moving forward.

This tree was removed several years ago and does not appear on the updated survey. This was field verified.

8. There is a 14 LAO and 24 LAO that appears to be removed and an 18 LO marked as removed in the proposed parking lot that could be easily saved. Revise the parking lot layout to accommodate these trees.

Parking expansion layout has been revised to save the requested trees.

9. There is a 30 PN and 30 LO marked for removal in the parking lot that the applicant should consider revising the parking lot layout to accommodate.

Parking expansion layout has been revised to save the requested trees.

10. Hickories are specimen per the LMO at 20" DBH. There are several specimen hickories on this site that do not have their canopies indicated.

All hickories with driplines not shown within the limits of disturbance were removed several years ago and do not appear on the updated survey. This was field verified.

Hilton Head Island Go Kart Facility
33 Broad Creek Marina Way
Hilton Head Island, SC 29926

Project Narrative
DRB Final Review
December 31, 2019

Broad Creek Marina Development LLC is proposing to add a new Outdoor Electric Go Kart facility to their existing, family-friendly outdoor facilities.

Woven between the successful island destinations of the HHI Zipline and Aerial Adventure facilities, this family safe, low-speed, low-noise Outdoor Electric Go Kart Facility will provide both residents and tourists another attraction to visit on the island.

This new facility is consistent with the Hilton Head Islands' vision plan for sustainable growth and improved economic conditions as related to family oriented destinations on the island.

The new Go Kart Facility will be a part of a larger outdoor recreation complex that is located on four existing parcels totaling 15.85 acres. The disturbed area for the project will be less than 5.0 acres.

1) R510 011 000 0006 0000 – 4.37 acres
2) R510 011 000 007F 0000 – 8.39 acres
3) R510 011 000 0183 0000 – 1.72 acres
4) R510 011 000 0389 0000 – 1.37 acres

The Outdoor Electric Go Kart Facility is an approved Outdoor Recreation use and is located in the Waterfront Mixed-Use (WMU) Zoning District. A Type B Adjacent Street Buffer along Marshland Road will be provided. A Type C Adjacent Use Buffer will be provided along the adjacent Town-owned property zoned PR. No buffers are required along the adjacent Simmons Property, according to our Pre-App meeting with the Town. The proposed improvement is located in Flood Zone C, therefore, no special conditions apply.

The nearest part of the track layout is located approx. 205 feet from the Marshland Road right of way. Views to the proposed track facility will be obstructed by existing trees and shrubs, as well as, an existing masonry wall that will be preserved. The existing trees, shrubs and walls will also provide a sound buffer to Marshland Road and surrounding communities.

Broad Creek Marina Way will be mostly demolished within the site, with the existing entrance and curb cut maintained as is. A new asphalt entrance driveway will replace an existing narrow gravel drive and will provide one-way access into the site and provide safe access to the existing parking lot. This new entrance will help to reduce traffic currently entering this facility and others via Simmons Road.

The existing parking lot providing 138 spaces will be expanded to 194 spaces to accommodate required parking for this added facility. This will include 6 existing handicap spaces and 1 proposed handicap space to accommodate ADA parking requirements.

The outdoor track layout and facilities have been painstakingly designed and arranged to maximize the number of existing trees to be saved, including three specimen trees. The proposed karts will be electric motorized and will reach speeds equal to or less than typical golf carts. Sound levels produced from the Go Kart Track will not exceed the sound level limits as specified in the Town's Land Management Ordinance (LMO) for Noise Control. Given the proposed track is more than 470 feet the nearest residential lot within Indigo Run; and buffered by an additional 170 feet of existing vegetation on the North side of Marshland Road, sounds created by this facility are expected to dissipate significantly over that distance. See **APPENDIX B** for comparisons of sound decibel levels of everyday items compared to the LMO's Sound Level Limits for this parcel.

All proposed improvements will use nature blending colors. Existing permeable pathways from the parking lot to the existing Concessions and Ticketing building will be maintained. New permeable pedestrian pathways will be provided to safely allow visitor's access from the existing Concessions and Ticketing Building to the Go Kart Facility and the adjacent Aerial Adventure course, and the existing Marshland Road bike path. Security fencing will encompass the entire track. Where fencing is located adjacent to pedestrian areas outside of the track and Kart Barn, a wood and wire fence will be constructed that ties into the Kart Barn architecture. Existing pedestrian access to the Zipline course will be maintained.

The Architecture will embrace Lowcountry style by its form and use of materials. The architecture will include a 60' x 80' open air heavy timber / pole barn type open air structure with standing seam metal roof that will provide cover and shade for the pit lane and customer queuing area. Positioned adjacent to the open-air structure, an L-shaped shed roof form building, utilizing vertical siding and metal roofing will serve as the restrooms and battery charging building. The metal roof and siding colors will be in-keeping with island character and a particular focus to blend into the natural surroundings. The track's facility structure is positioned as far into the site as possible and located so as not to impact existing specimen trees or tree clusters. This structure will be located approx. 470 feet from the Marshland Road right of way and approx. 95 feet from the Simmons Property line.

We will meet the Natural Resources Standards for Supplemental or Replacement Trees, based on trees removed by category. Furthermore, we will take all steps needed to minimize the impacts to any Specimen trees that exist on the project site by ensuring that the proposed specimen tree impacts are no more than 20 percent of the total area within the drip line of any specimen tree shall be subject to paving or soil compaction, and that no paving or soil compaction will occur within 15' of the tree's trunk. Clusters of existing trees have been preserved where possible.

All grading and utilities shall be shown in relation to the existing trees. We shall show tree protection zones for any trees located within 25' of any proposed grading, construction, or tree removals; to be established by physical barriers that will need to be maintained until such time that the work is completed.

Natural grades on the site generally range between 10.0’ and 18.0’ above sea level and within the limits of disturbance. The proposed structure is to be slab on grade construction, with finish floor elevation set at 17.5’.

Existing storm water management and utilities will be upgraded as required. Existing underground detention systems and four proposed rain gardens will be utilized to satisfy TOHH and SCDHEC-OCRM quantity and quality control requirements. These management practices, along with pervious parking areas provided in the proposed parking expansion, will minimize the flow, sediment and nutrients leaving the proposed impervious areas.

New Palmetto Electric roadway light poles will be located along the new one-way driveway. New track and facility lighting will meet exterior lighting illumination levels for outdoor recreation areas as outlined in the LMO and the "Lighting Handbook" of the Illuminating Engineering Society of North America (IESNA—Ninth Edition). New pathway lights will illuminate the walkways from the parking lot to the concessions building and Kart Barn.

Overall, the design features of this project will strive to celebrate the beauty and uniqueness of the property while respecting the public experience and the greater Hilton Head design context.

Applicant:
Eric Walsnovich, RLA
Wood+Partners inc.
ewalsnovich@woodandpartners.com
843-681-6618 ext. 243

Photo Exhibit A - Typical Go Kart Track – Statesboro, GA

APPENDIX A

December 31, 2019

Re: Broad Creek Marina Site Lighting Design

The Town of Hilton Head's Land Management Ordinance (LMO) Section 16-5-108 "Site Lighting Standards" references Table 16-5-108.D "Exterior Lighting Illumination Levels" for the allowable light levels of different exterior elements. Per this table the design shall be in compliance with the "Lighting Handbook" for "Other Outdoor Commercial Recreation Facilities".

Using Table 16-5-108D the basis of design used for the Broad Creek Marina Go-Kart Track site lighting design is Chapter 20 of the Ninth Edition of the IESNA Lighting Handbook (Illuminating Engineering Society of North America).

Chapter 20 of the Lighting Handbook contains Figure 20-2 "Sports Lighting Illumination Recommendations". The table recommends an average light level of 30 foot-candles for "Motor Racing Track" that is defined as a Class II "Class of Play". For a Class III "Class of Play" the handbook recommends and average light level of 80 foot-candles. At the Finish line the Handbook recommends 75 Fc's and 50 Fc's, respectively.

The "Class of Play" definitions are as follows:
Class II - "For Competition Play with fewer than 5000 spectators"
Class III - "For Competition Play primarily for players with due consideration for spectators".
Class IV – "For social and recreational play only, with secondary consideration for spectators".

The handbook does not define lighting levels for Class IV "Class of Play" and thus the reason we have designed the track using best judgement light levels based on other recreational go-kart tracks around the country per the go kart track designers recommendations. The light levels recommended and therein designed to, are lower than the recommended light levels by the Handbook, which is favorable for the TOHH. The track designer recommended an average of 12-15 foot-candles on the track, 25 foot-candles at the pit entry/exit and 35 foot-candles under the canopy structure at cart loading/unloading. It should be noted that all of these levels have been met and are below the Handbook's recommendation.

Figure 20-2 (table) has been attached for reference as well as the definitions of "Class of Play".

20-6 SPORTS AND RECREATIONAL AREA LIGHTING

Figure 20-2. *Continued*

B. Outdoor Applications

SPORT	Lighted Area	Class of Play	Horizontal Lx	Horizontal Fc	Vertical Lx	Vertical Fc	Uniformity CV	Uniformity Max: Min
Archery	Shooting Line	III	100	10			0.21 or Less	2 5:1 or Less
	Target @ 30.4 m (100')				300	30		
	Target @ 91.4 m (300')				500	50		
	Shooting Line	IV	100	10			0.25 or Less	3:1 or Less
	Target @ 30.4 m (100')				200	20		
	Target @ 91.4 m (300')				300	30		
Baseball & Softball	Infield	I	1500	150			0.13 or Less	1.7:1 or Less
	Outfield		1000	100				
	Infield	II	1000	100			0.21 or Less	2.5:1 or Less
	Outfield		700	70				
	Infield	III	500	50			0.25 or Less	3:1 or Less
	Outfield		300	30				
	Infield	IV	300	30			0.3 or Less	4:1 or Less
	Outfield		200	20				
Basketball		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less
Bicycle Racing	Track	III	300	30			0.25 or Less	3:1 or Less
	Final 100' & Finish*		500	50				
	Track*	IV	200	20			0.3 or Less	4:1 or Less
	Final 100' & Finish*		300	30				
Dog Racing*		III	500	50			0.25 or Less	3:1 or Less
Drag Racing	Area 1*	I	200	20			0.25 or Less	3:1 or Less
	Area 2*		300	30			0.21 or Less	2.5:1 or Less
	Area 3A*		250	25			0.13 or Less	1.7:1 or Less
	Area 3B*		200	20			0.13 or Less	1.7:1 or Less
	Area 4*		100	10			0.21 or Less	2.5:1 or Less
	Area 1*	II	100	10			0.25 or Less	3:1 or Less
	Area 2*		200	20				
	Area 3A*		150	15				
	Area 3B*		100	10				
	Area 4*		50	5				
Field Hockey		II	500	50			0.21 or Less	2.5:1 or Less
		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less
Football*		I	1000	100			0.13 or Less	1.7:1 or Less
		II	500	50*			0.21 or Less	2.5:1 or Less
		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less
Golf Course	Tee Boxes*		50	5			0.25 or Less	3:1 or Less
	Fairways*		30	3			0.35 or Less	5.7:1 or Less
	Greens*		50	5			0.25 or Less	3:1 or Less
Golf: Driving	Tee Boxes*		200	20			0.25 or Less	3:1 or Less
	At 183 m (600')				100	10	0.25 or Less	3:1 or Less
Handball		III	300	30			0.25 or Less	3:1 or Less
Horse Racing	Track		200	20			0.25 or Less	3:1 or Less
	Home Stretch		1000	100				
	Finish Line				700	70	0.13 or Less	1:71 or Less
Ice/Roller Hockey*		II	500	50			0.21 or Less	2.5:1 or Less
		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less
Ice Skating (Speed*)		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less
Lacrosse		II	500	50			0.21 or Less	2.5:1 or Less
		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less

QUALITY AND QUANTITY OF ILLUMINAT 20-7

Figure 20-2. *Continued*

B. Outdoor Applications

SPORT	Lighted Area	Class of Play	Horizontal Lx	Horizontal Fc	Vertical Lx	Vertical Fc	Uniformity CV	Uniformity Max: Min
Motor Racing	Track	II	300	30			0.21 or Less	2.5:1 or Less
	Finish Line		750	75				
	Track	III	800	80			0.25 or Less	3:1 or Less
	Finish Line		500	50				
Pistol/Rifle Ranges	Shooting Line	III	100	10			0.17 or Less	2:1 or Less
	Target				500	50		
Platform Tennis		II	500	50			0.17 or Less	2:1 or Less
		III	300	30				
		IV	200	20				
Rodeo And Animal Shows		II	500	50			0.21 or Less	2.5:1 or Less
		III	300	30			0.25 or Less	3:1 or Less
Skeet And Trap Shooting	Shooting Line	III	50	5			0.21 or Less	2.5:1 or Less
	Target @ 18.3 m (60')				300	30		
	Target @ 30.5 m (100')				400	40		
	Shooting Line	IV	50	5			0.25 or Less	3:1 or Less
	Target @ 18.3 m (60')				200	20		
	Target @ 30.5 m (100')				200	20		
Skiing			5	0.5	2	0.2	No Criteria	
Soccer		II	1500	150			0.21 or Less	2.5:1 or Less
		III	1000	100			0.25 or Less	3:1 or Less
		IV	500	50			0.3 or Less	4:1 or Less
Swimming (Water Sports)	Luminances of the Pool Surface (Candelas per Square Meter)	II	25				0.21 or Less	2.5:1 or Less
		III	15				0.25 or Less	3:1 or Less
		IV	15				0.3 or Less	4:1 or Less
	Illuminances on Pool Deck	II	500	50			0.21 or Less	2.5:1 or Less
		III	300	30			0.25 or Less	3:1 or Less
		IV	300	30			0.3 or Less	4:1 or Less
Tennis		I	1500	150			0.13 or Less	1.7:1 or Less
		II	1000	100			0.21 or Less	2.5:1 or Less
		III	750	75			0.25 or Less	3:1 or Less
		IV	500	50			0.3 or Less	4:1 or Less
Track & Field		II	500	50			0.21 or Less	2.5:1 or Less
		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less
Volleyball		III	300	30			0.25 or Less	3:1 or Less
		IV	200	20			0.3 or Less	4:1 or Less

C. Specialty Sports

SPORT	Lighted Area	Class of Play	Horizontal Lx	Horizontal Fc	Vertical Lx	Vertical Fc	Uniformity CV	Uniformity Max: Min
Badminton			100	10			0.25 or Less	3:1 or Less
Bowling Green			50	5			0.25 or Less	3:1 or Less
Miniature Golf			100	10			0.25 or Less	3:1 or Less
Horseshoes (General Area)			50	5			0.3 or Less	4:1 or Less
Night Fishing (At Dock)			100	10			0.3 or Less	4:1 or Less

Another point to be addressed is fixture mounting height. The design is based on a 25 foot mounting height. This mounting height already exists in other locations on Hilton Head and is the correct mounting height for this project. Ideally a 30 foot mounting height would have been used to improve lighting uniformity along the track but we can meet the desired Handbook Uniformity ratios listed in Figure 20-2 (2.5:1) with the 25 foot height. If the height is lowered we will exceed the uniformity ratio giving the impression of "brighter" and "darker" spots along the track surface which may potentially impact the driver's perception increasing the potential for accidents.

It has been confirmed with Palmetto Electric that they utilized a 25 foot fixture mounting height at Shelter Cove for the site lighting.

There are also multiple sports field lighting installations currently on Hilton Head Island that utilize 70 and 80 foot pole heights (Most recently the Island Recreation Center – I was the Engineer of Record for this project).

The TOHH LMO does NOT define LED lamp color. It has been stated that 3000K is the desired color by the TOHH. This is ok for landscape lighting, sidewalks, signage, etc. and can work for parking lots but is not appropriate for a family friendly go kart track. The applications using 3000K are illuminating stationary objects or slower moving people and/or vehicles. Illumination of the track surface where carts are moving at +/- 18 MPH and color rendering and perception are important to driver safety are better suited for higher kelvin temperature lamps. Athletic fields and tracks typically utilize 5000K. We are proposing 4000K as it is a happy median but still a “brighter” white color that will help with driver perception.

We are lighting a go kart track that is a recreational facility and a unique situation for the TOHH. The use has to be taken into consideration for the safety of the end user and for that reason we recommend the use of 25 foot fixture mounting heights as well as 4000K color temperature instead of 3000K.

Photometric plans at 4000K utilizing a 25 foot mounting height have been provided for your review.

Thank You,

Ryan Yocco
(843)-384-4731

APPENDIX B

dB: The Decibel (dB) is the unit used to measure the magnitude or intensity of sound. Decibel means 1/10 of Bel (named after Alexander Graham Bell). The decibel uses a logarithmic scale to cover the very large range of sound pressures that can be heard by the human ear. Under the decibel unit of measure, a 10 dB increase will be perceived by most people to be a doubling in loudness, i.e., 80 dB seems twice as loud as 70 dB.

Noise Source	Decibel Level	Decibel Effect
Jet take-off (at 25 meters)	150	Eardrum rupture
Aircraft carrier deck	140	
Military jet aircraft take-off from aircraft carrier with afterburner at 50 ft (130 dB).	130	
Thunderclap, chain saw. Oxygen torch (121 dB).	120	Painful. 32 times as loud as 70 dB.
Steel mill, auto horn at 1 meter. Turbo-fan aircraft at takeoff power at 200 ft (118 dB). Riveting machine (110 dB); live rock music (108 - 114 dB).	110	Average human pain threshold. 16 times as loud as 70 dB.
Jet take-off (at 305 meters), use of outboard motor, power lawn mower, motorcycle, farm tractor, jackhammer, garbage truck. Boeing 707 or DC-8 aircraft at one nautical mile (6080 ft) before landing (106 dB); jet flyover at 1000 feet (103 dB); Bell J-2A helicopter at 100 ft (100 dB).	100	8 times as loud as 70 dB. Serious damage possible in 8 hr exposure.
Boeing 737 or DC-9 aircraft at one nautical mile (6080 ft) before landing (97 dB); power mower (96 dB); motorcycle at 25 ft (90 dB). Newspaper press (97 dB).	90	4 times as loud as 70 dB. Likely damage in 8 hour exposure.
Garbage disposal, dishwasher, average factory, freight train (at 15 meters). Car wash at 20 ft (89 dB); propeller plane flyover at 1000 ft (88 dB); diesel truck 40 mph at 50 ft (84 dB); diesel train at 45 mph at 100 ft (83 dB). Food blender (88 dB); milling machine (85 dB); garbage disposal (80 dB).	80	2 times as loud as 70 dB. Possible damage in 8 hour exposure.
Passenger car at 65 mph at 25 ft (77 dB); freeway at 50 ft from pavement edge 10 a.m. (76 dB). Living room music (76 dB); radio or TV-audio, vacuum cleaner (70 dB).	**70**	**Arbitrary base of comparison. Upper 70s are annoyingly loud to some people.**
Conversation in restaurant, office, background music, Air conditioning unit at 100 feet.	**60**	**Half as loud as 70 dB. Fairly quiet.**
Quiet suburb, conversation at home. Large electrical transformers at 100 feet.	50	One-fourth as loud as 70 dB.
Library, bird calls (44 dB); lowest limit of urban ambient sound	40	One-eighth as loud as 70 dB.
Quiet rural area.	30	One-sixteenth as loud as 70 dB. Very Quiet.

Source: http://www.industrialnoisecontrol.com/comparative-noise-examples.htm

ENTRANCE FROM MARSHLAND ROAD

AERIAL ADVENTURE COURSE

BROAD CREEK MARINA WAY LOOKING TOWARDS MARSHLAND ROAD AT ENTRANCE

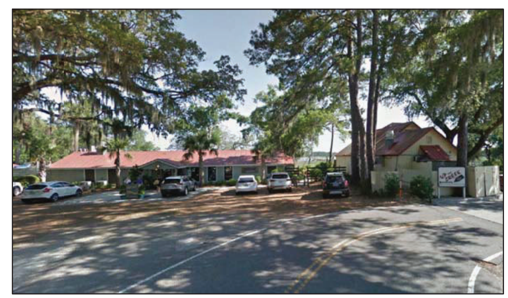
VIEW DOWN BROAD CREEK MARINA WAY TOWARDS BROAD CREEK

VIEW ALONG EXISTING GRAVEL DRIVE TOWARDS EXISTING PARKING LOT AROUND ZIPLINE TOWER

VIEW DOWN EXISTING GRAVEL DRIVE TOWARDS EXISTING TICKETING BUILDING

VIEW FROM ZIPLINE TICKETING OFFICE TOWARDS EXISTING PARKING LOT

BROAD CREEK MARINA - BOATHOUSE STORAGE BUILDING



FISH CAMP AND UP THE CREEK PUB & GRILL RESTAURANTS

Project No: 01-19042 | Date: December 31, 2019 | Scale: | Page Title: SITE CONTEXT

NORTH

Document is preliminary and subject to change.

HHI GO KART FACILITY

Hilton Head Island, SC

CONCEPTUAL DRB SUBMITTAL PLANS

Wood+Partners Inc.
Landscape Architects
Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6618 ■ Fax 843.681.7086 ■ www.woodandpartners.com

Project No: 01-19042 | Date: December 31, 2019 | Scale: 1" = 40'-00" | Page Title: Overlay

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NORTH

HHI GO KART FACILITY

Hilton Head Island, SC

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Project No: 01-19042	Date: December 31, 2019	Scale: 1" = 40'-00"	Page Title: Conceptual Site Plan

0 30 60 120

NORTH

HHI GO KART FACILITY

Hilton Head Island, SC

Wood+Partners Inc. WPI
Landscape Architects
Land Planners

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PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6618 ■ Fax 843.681.7086 ■ www.woodandpartners.com

33 Broad Creek Marina

Go-Kart Track - HHI, SC

Site Materials & Furnishings

December 31st, 2019

TABLE OF CONTENTS

Wood+Partners Inc.
WPi
Landscape Architects
Land Planners

Gravel Permeable Paving (Parking Stalls):
- Material: Crushed Stone
- Color: Gray

Asphalt Driveways:
- Standard Finish


Plantation Mix Pathways

Plantation Mix Pathway
- 3” Depth Minimum - 50% Mix of #789 Stone and 50% Granite Screenings
- Color: Gray
- Edging: Border Concepts: Border King Steel Edging in Black Powdercoat


Low-impact Mulched Pathways as Needed to Adventure Courses

Mulched Pathway
- 3” Depth Compacted Hardwood Mulch Chips with stabilized edges.
- Color: Natural, Brown / Tan - (No Dyed Mulches)


Decorative Fence

SW 9114
FALLEN LEAVES

Decorative Fence
- Material: Painted Wood with 2”x4” Welded Wire Infill Panels, In all areas visible from roadway and near pedestrian Zones
- Finish: Opaque Paint, 2 Coats Minimum
- Color: SW 9114 (Fallen Leaves) To Match Architecture


Decorative Entry Fence and Pool Fence

ChainLink Fence Security Fence
- Finish: Vinyl Coated with Top & Bottom Rail,
- Color: Brown
- Used only on Backside of Track where not
- visible from Roadways or Pedestrian zones.

Driveway, Parking & Area Lights - PECI

Driveway, Parking & Area Lights:

- Palmetto Electric Company Inc.
- Model: Salem
- Material: Wood Pole, Bronze Finish Fixture
- Light: LED
- Height: 15’ Mounting Height

Path Light

Path Light:
- Manufacturer: SPJ Lighting
- Model: SPJ150-B-B-6w
- Material: Solid Brass; Finish: Black
- Light: 2W LED, 12v, 2700k

METAL ROOFING AND GUTTERS
4M - DARK BRONZE

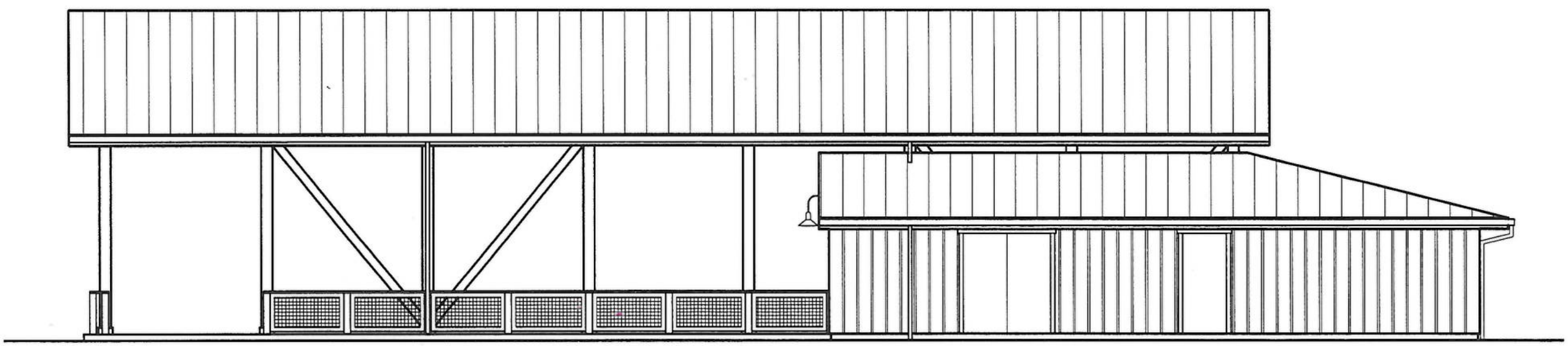
H.M. DOORS
SHERWIN WILLIAMS SW6180 OAKMOSS

COLUMNS, DIAGONALS, & FASCIA
SHERWIN WILLIAMS SW9114 FALLEN LEAVES

FENCE
SHERWIN WILLIAMS SW9114 FALLEN LEAVES

HARDIE REVERSE BOARD & BATTEN
SHERWIN WILLIAMS SW6180 OAKMOSS

DECORATIVE LIGHT FIXTURES
DARK BRONZE



BROAD CREEK MARINA GO-KART TRACK

33 BROAD CREEK MARINA WAY, HILTON HEAD ISLAND 29926

PROPOSED EXTERIOR MATERIALS & COLORS

DECEMBER 31, 2019

COURT ATKINS GROUP

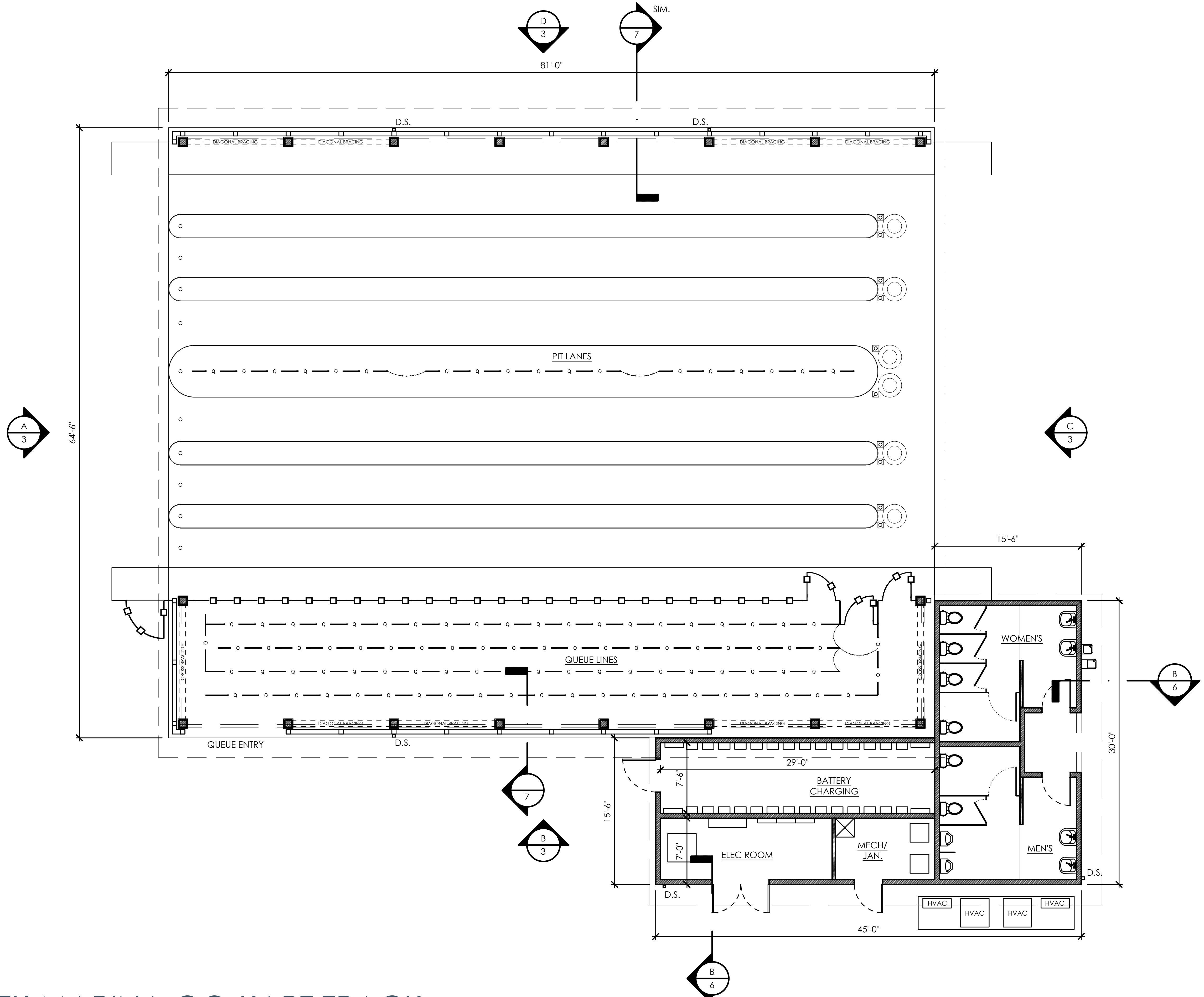
ISSUED FOR: FINAL DRB

BROAD CREEK MARINA GO-KART TRACK

33 BROAD CREEK MARINA WAY, HILTON HEAD ISLAND, SC 29926

DRAWING INDEX

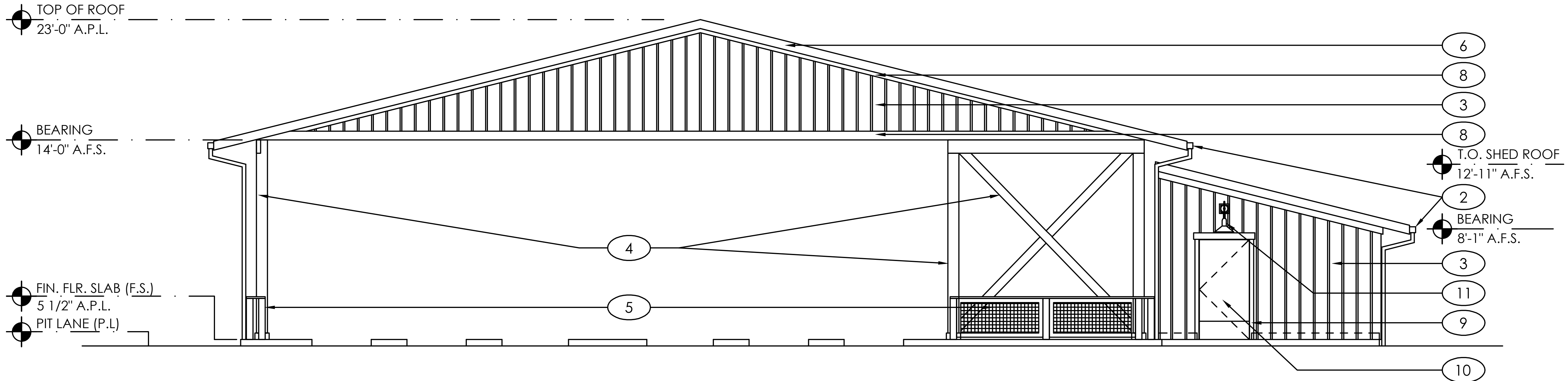
COURT ATKINS GROUP



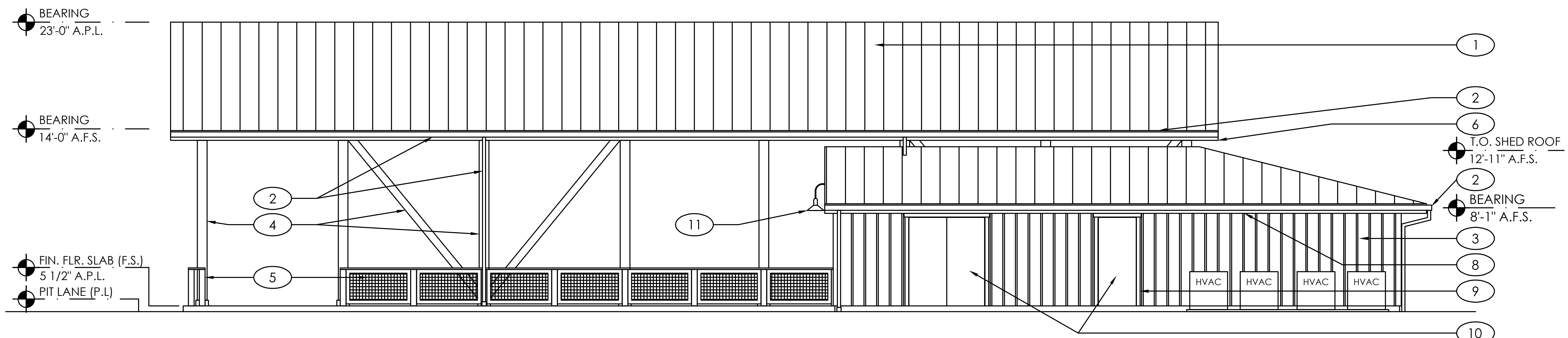
BROAD CREEK MARINA GO-KART TRACK
DECEMBER 31st, 2019

2 FLOOR PLAN
SCALE 3/32" : 1'-0"

COURT ATKINS GROUP



3A FRONT ELEVATION
SCALE 1/8" : 1'-0"



3B RIGHT SIDE ELEVATION
SCALE 1/8" : 1'-0"

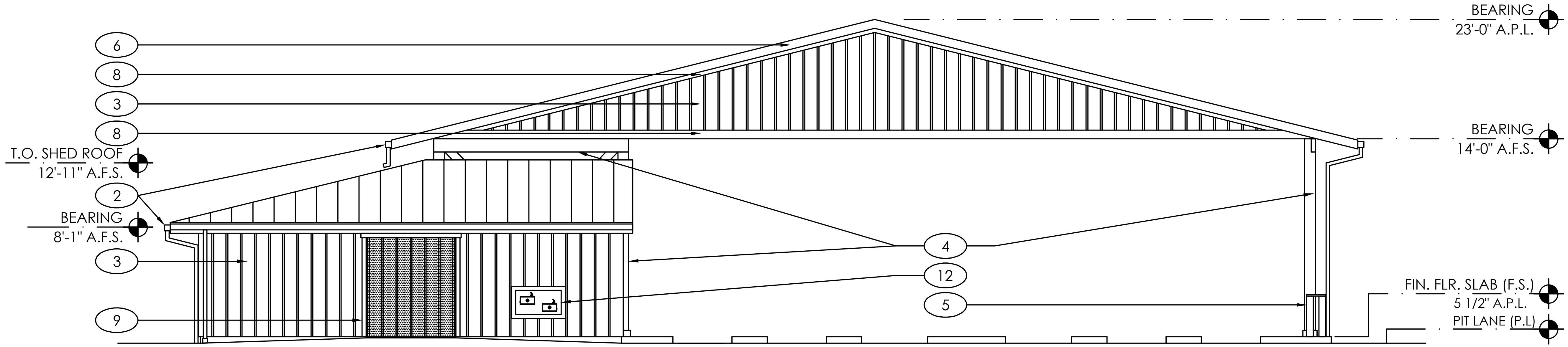
EXTERIOR MATERIALS LEGEND	
	MATERIAL
1	STANDING SEAM METAL ROOF SYSTEM - 4M DARK BRONZE
2	METAL GUTTER AND DOWNSPOUTS - (MATCH ROOF) DARK BRONZE
3	REVERSE BOARD & BATTEN SIDING - SHERWIN WILLIAMS SW 6180 OAKMOSS
4	HEAVY TIMBER COLUMNS AND DIAGONAL BRACING - SHERWIN WILLIAMS SW 9114 FALLEN LEAVES
5	WOOD FENCE W/ GALVANIZED WIRE MESH- SHERWIN WILLIAMS SW 9114 FALLEN LEAVES (WIRE MESH TO BE BLACK COATED)
6	HARDIETRIM FASCIA - SHERWIN WILLIAMS 9114 FALLEN LEAVES

EXTERIOR MATERIALS LEGEND	
	MATERIAL
7	NOT USED
8	HARDIETRIM TRIM - SHERWIN WILLIAMS SW 6180 OAKMOSS
9	KDAT DOOR TRIM - SHERWIN WILLIAMS SW 6180 OAKMOSS
10	EXTERIOR H.M. DOORS - SHERWIN WILLIAMS SW 6180 OAKMOSS
11	EXTERIOR LIGHT FIXTURE - DARK BRONZE
12	"ELKAY" DRINKING FOUNTAIN - MODEL EDFP217C -STAINLESS STEEL

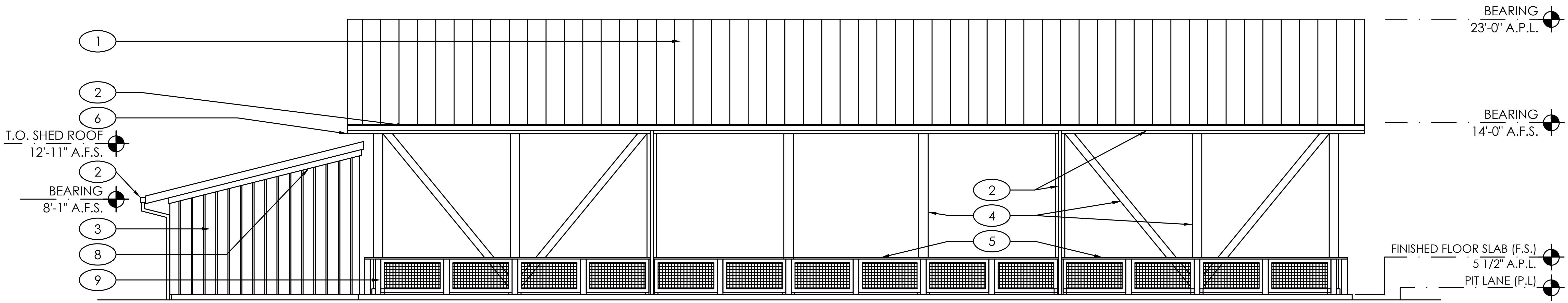
BROAD CREEK MARINA GO-KART TRACK

DECEMBER 31st, 2019

COURT ATKINS GROUP



3C REAR ELEVATION
SCALE 1/8" : 1'-0"



3D LEFT SIDE ELEVATION
SCALE 1/8" : 1'-0"

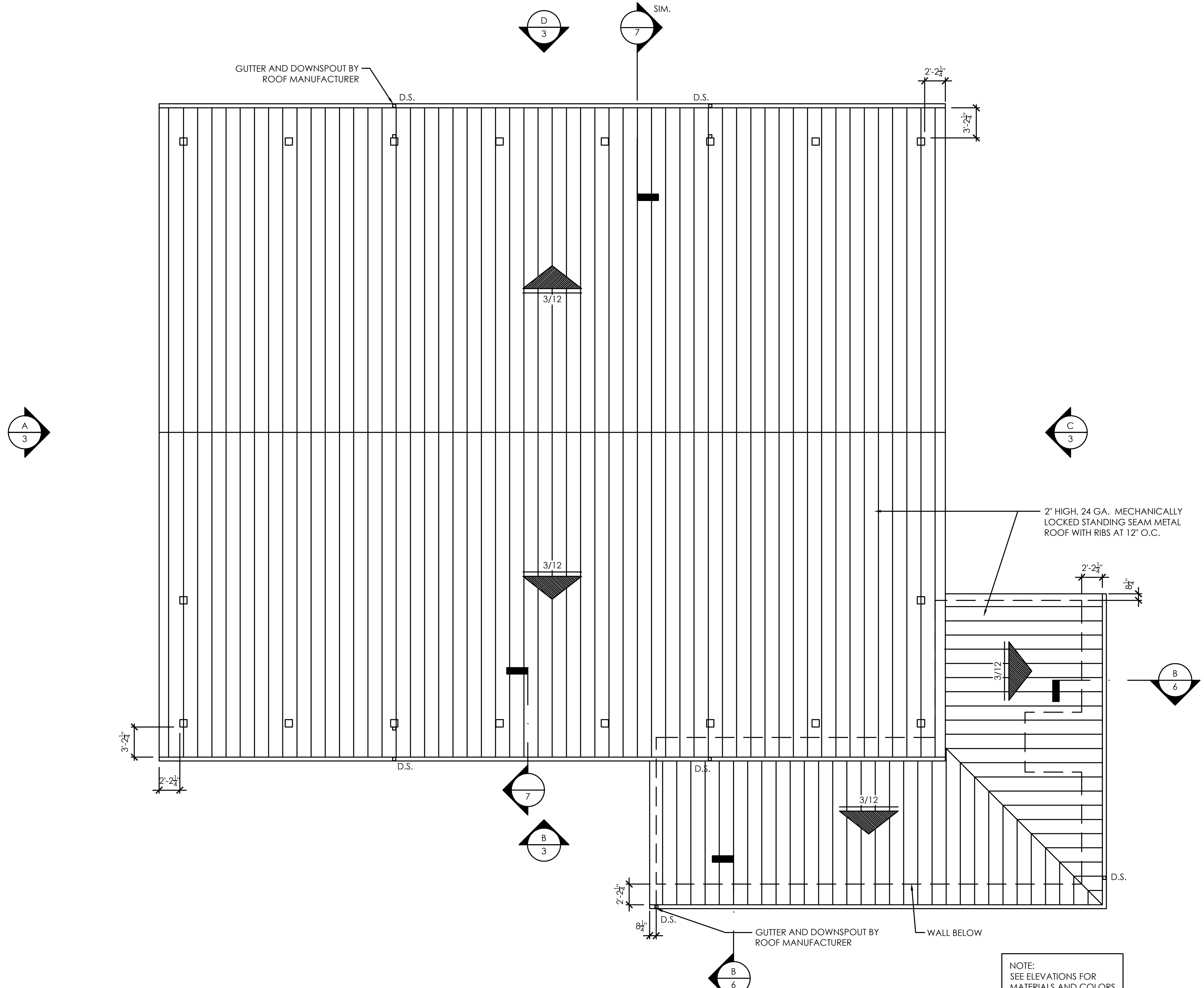
EXTERIOR MATERIALS LEGEND	
	MATERIAL
1	STANDING SEAM METAL ROOF SYSTEM - 4M DARK BRONZE
2	METAL GUTTER AND DOWNSPOUTS - (MATCH ROOF) DARK BRONZE
3	REVERSE BOARD & BATTEN SIDING - SHERWIN WILLIAMS SW 6180 OAKMOSS
4	HEAVY TIMBER COLUMNS AND DIAGONAL BRACING - SHERWIN WILLIAMS SW 9114 FALLEN LEAVES
5	WOOD FENCE W/ GALVANIZED WIRE MESH- SHERWIN WILLIAMS SW 9114 FALLEN LEAVES (WIRE MESH TO BE BLACK COATED)
6	HARDIETRIM FASCIA - SHERWIN WILLIAMS 9114 FALLEN LEAVES

EXTERIOR MATERIALS LEGEND	
	MATERIAL
7	NOT USED
8	HARDIETRIM TRIM - SHERWIN WILLIAMS SW 6180 OAKMOSS
9	KDAT DOOR TRIM - SHERWIN WILLIAMS SW 6180 OAKMOSS
10	EXTERIOR H.M. DOORS - SHERWIN WILLIAMS SW 6180 OAKMOSS
11	EXTERIOR LIGHT FIXTURE - DARK BRONZE
12	"ELKAY" DRINKING FOUNTAIN - MODEL EDFP217C -STAINLESS STEEL

BROAD CREEK MARINA GO-KART TRACK

DECEMBER 31st, 2019

COURT ATKINS GROUP



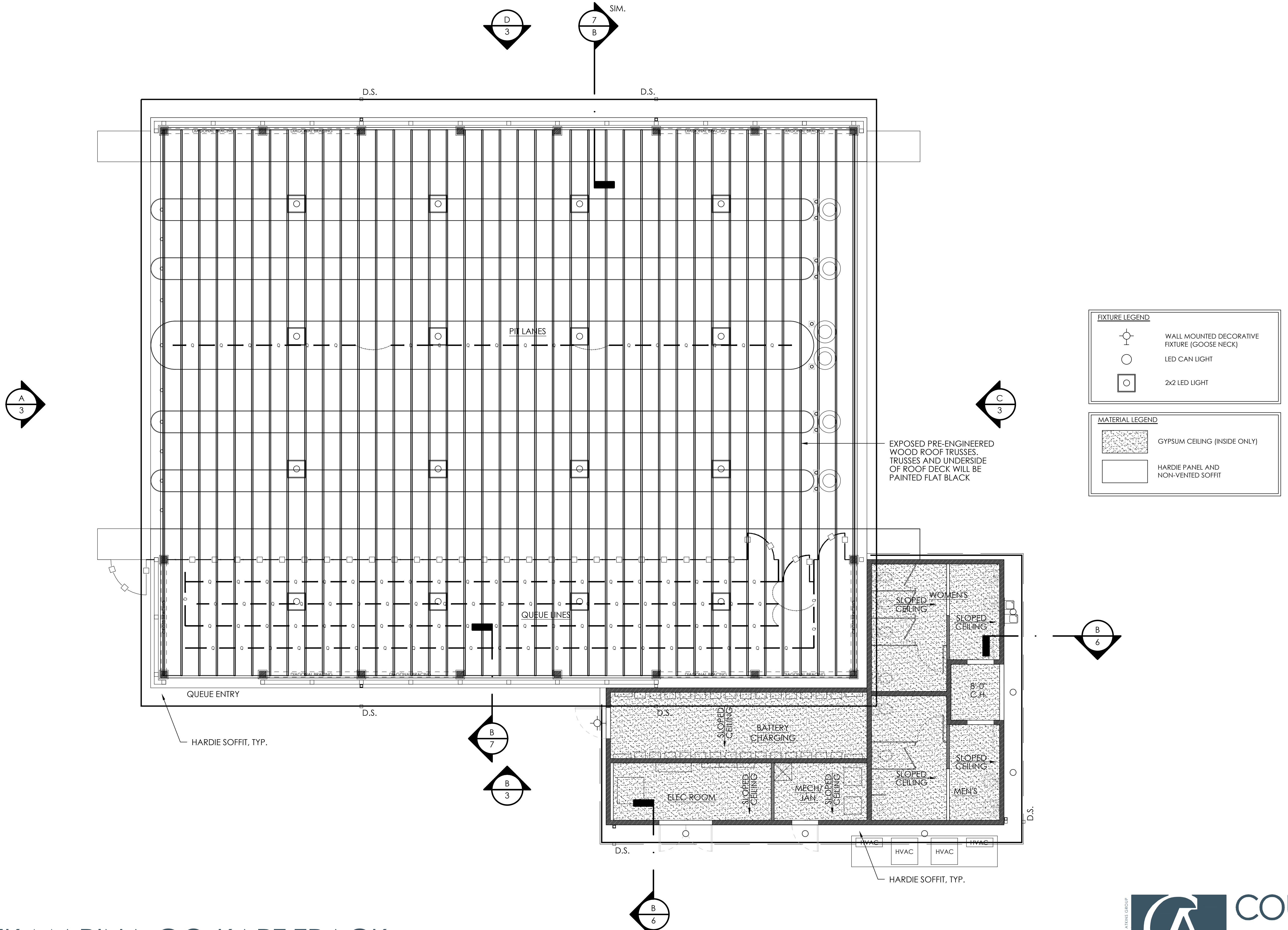
BROAD CREEK MARINA GO-KART TRACK

DECEMBER 31st, 2019

4 ROOF PLAN

SCALE 3/32" : 1'-0"

COURT
ATKINS
GROUP



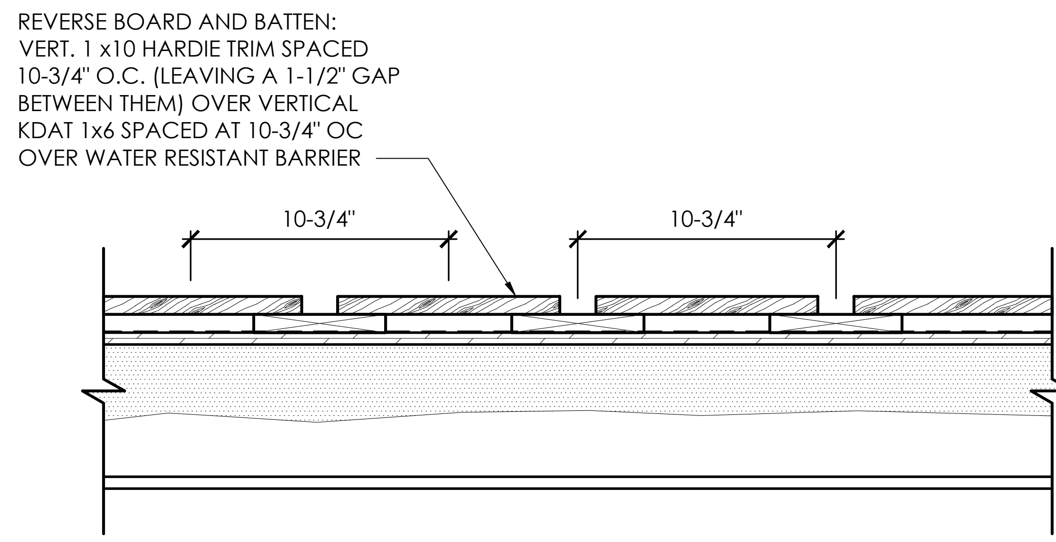
BROAD CREEK MARINA GO-KART TRACK

DECEMBER 31st, 2019

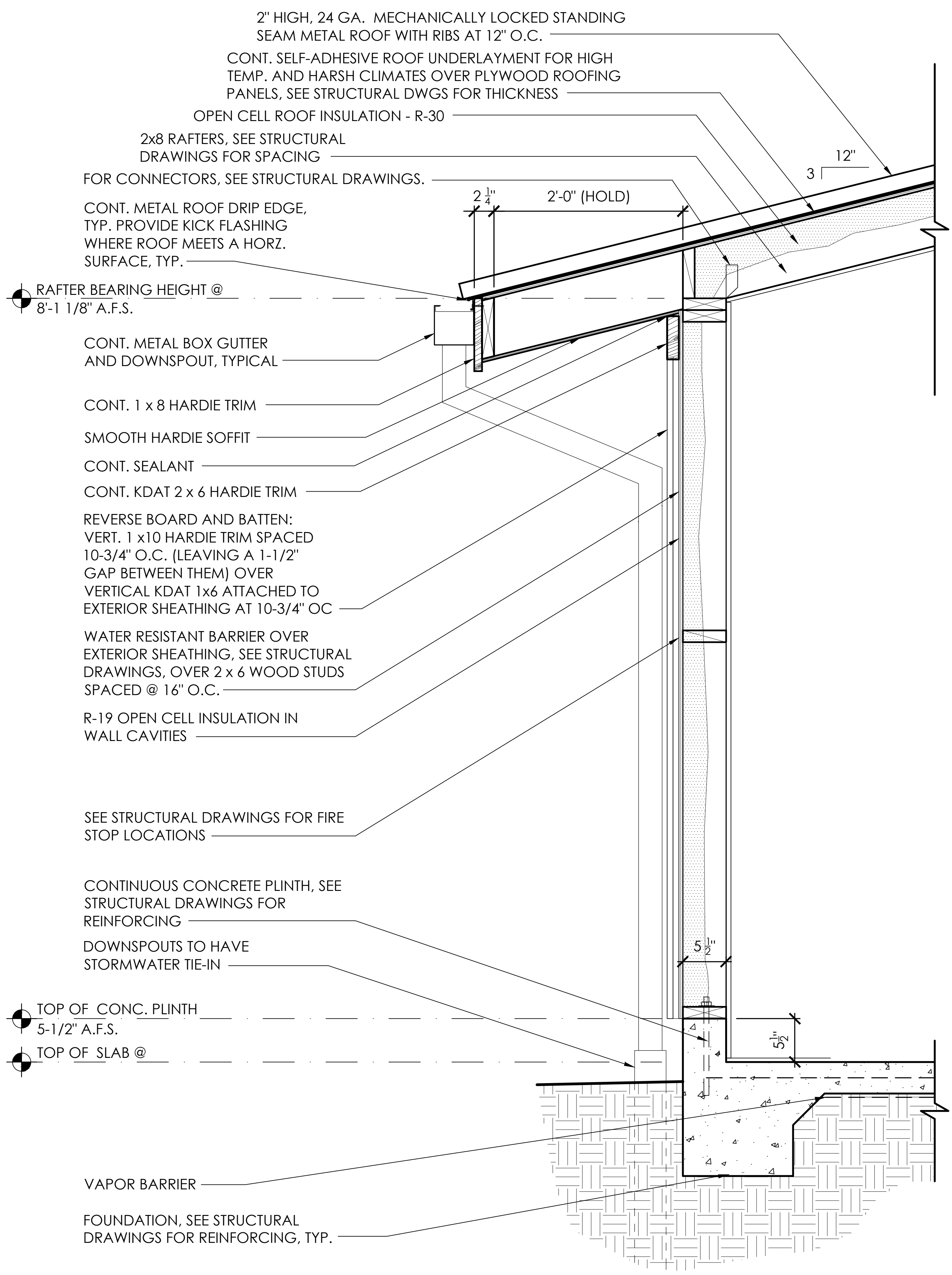
5 EXTERIOR LIGHTING PLAN

SCALE 3/32" : 1'-0"

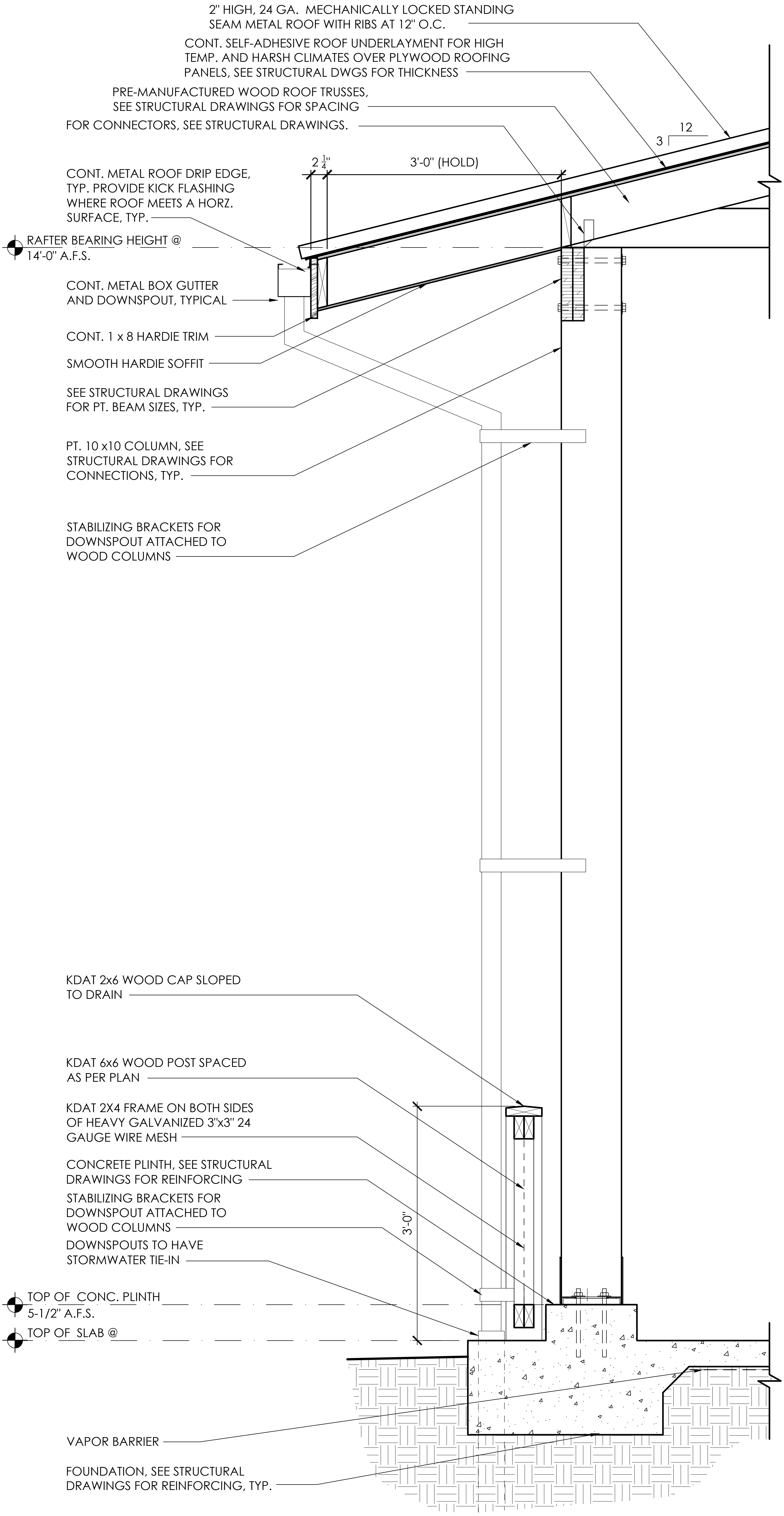
COURT ATKINS GROUP



6A REVERSE BOARD AND BATTE NPLAN DETAIL
SCALE 1 1/2" : 1'-0"



6B WALL SECTION @ BATHROOMS AND BATTERY CHARGING ROOM
SCALE 3/4" : 1'-0"



7 WALL SECTION @ POLE BARN

SCALE 3/4" : 1'-0"

BROAD CREEK MARINA GO-KART TRACK

DECEMBER 31st, 2019

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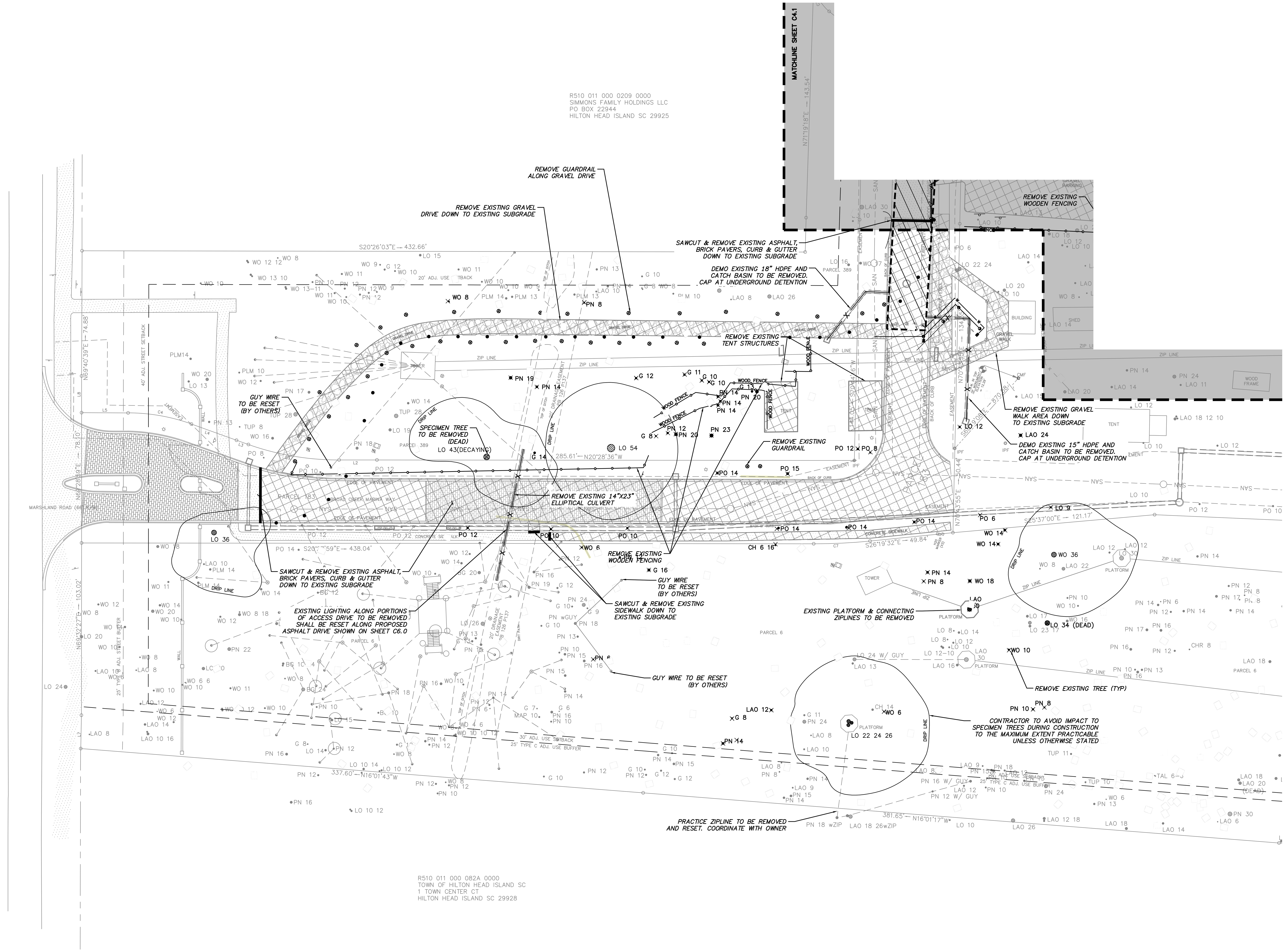


DEMO LEGEND

X	REMOVE EXISTING TREE
— — —	ASPHALT SAW CUT LINE
——X——	DEMO EXISTING STORM
(hatch)	ASPHALT, CONCRETE AND/OR GRAVEL AREA TO BE DEMOLISHED

PLAN
HORIZONTAL SCALE 1"=30'
30 15 0 30 60
SCALE IN FEET

South Carolina 811 — Call 811 Before You Dig

G:\AAA-ACTIVE JOBS\2019\2019-0499_BROAD CREEK MARINA GO-KART TRACK\AA - DRAWINGS\CIVIL\2019-0499 OV.DWG 12/31/2019 2:08 PM

CRANSTON ENGINEERING
ENGINEERS - PLANNERS - SURVEYORS
14 Westbury Park Way, Suite 202
Bluffton, South Carolina 29910
Telephone 849-815-3191
CranstonEngineering.com

SOUTH CAROLINA Cranston Engineering Group, P.C. NO. C00575 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

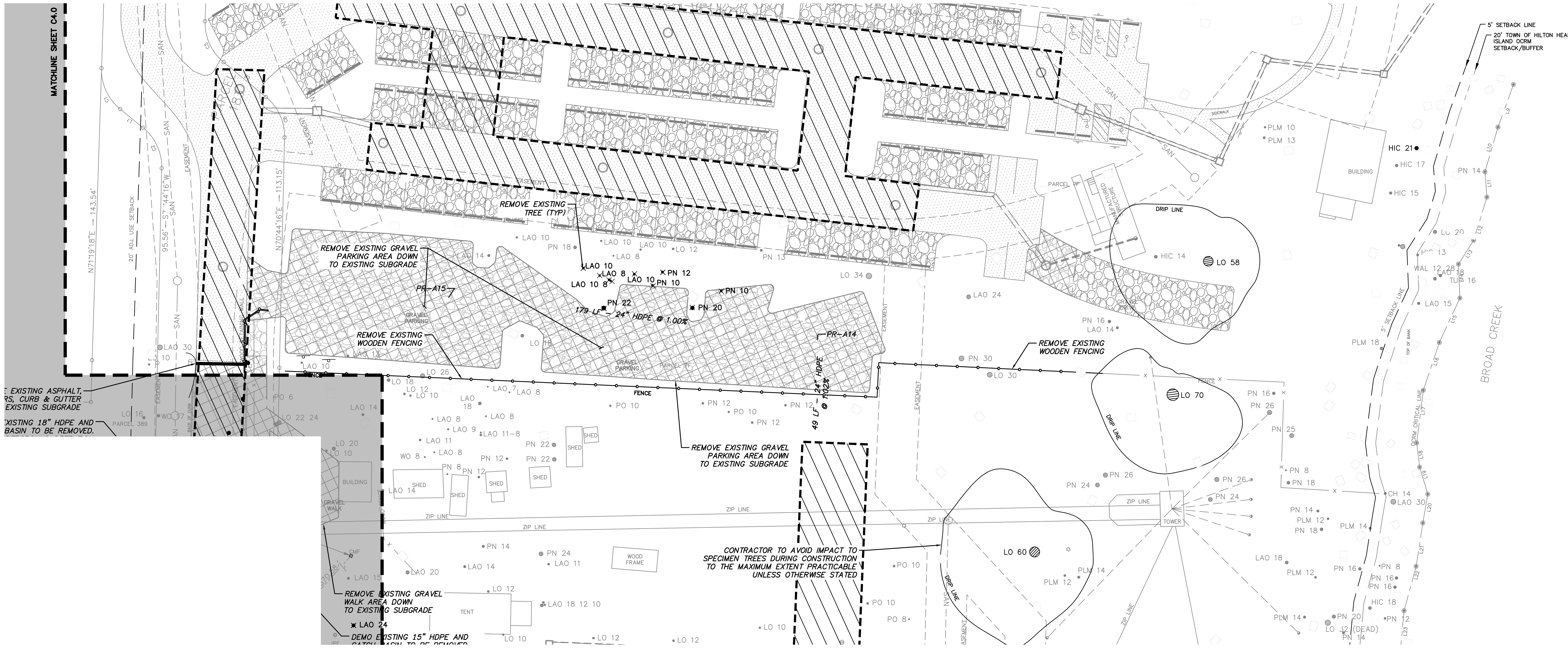
SOUTH CAROLINA PROFESSIONAL ENGINEER NO. 24149 MATTHEW E. RANDALL 12/31/19

REV #	DATE	DESCRIPTION

BROAD CREEK MARINA GO-KART TRACK

DEMOLITION PLAN

DRAWN BY:	NLS
CHECKED BY:	MER
APPROVED BY:	MER
DATE:	12/31/2019
SCALE:	1" = 20'
JOB No.	2019-0499
DRAWING No.	C4.0



DEMO LEGEND

×	REMOVE EXISTING TREE
— — —	ASPHALT SAW CUT LINE
—— x ——	DEMO EXISTING STORM
(crosshatch)	ASPHALT, CONCRETE AND/OR GRAVEL AREA TO BE DEMOLISHED

PLAN
HORIZONTAL SCALE 1"=30'
30 15 0 30 60
SCALE IN FEET

SOUTH CAROLINA GRID

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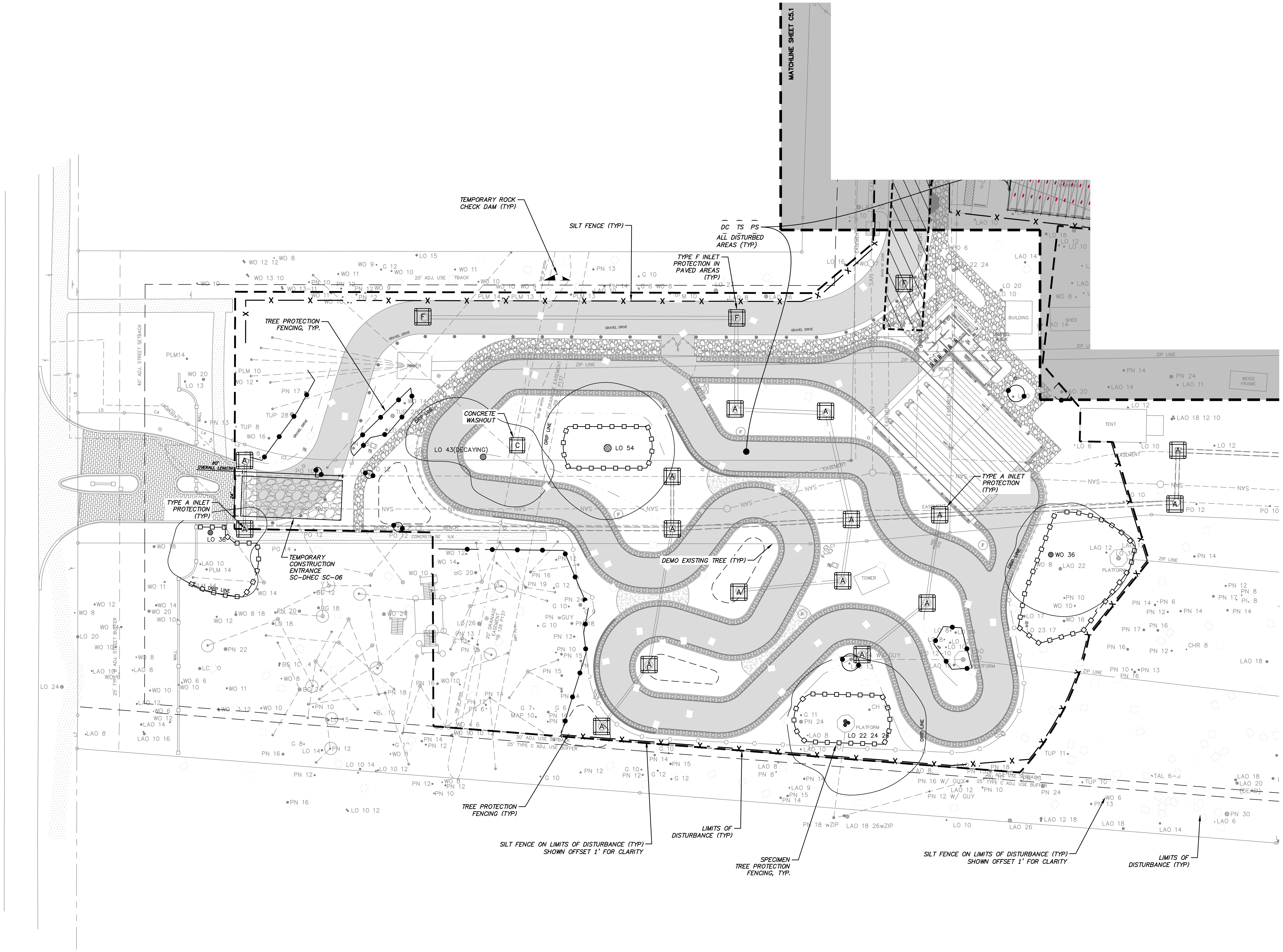
South Carolina Department of Health and Environmental Control	MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS EFFECTIVE DATE: AUGUST, 2005
DESCRIPTION	SYMBOL
TREE PROTECTION	
SPECIMEN TREE PROTECTION	
SILT FENCE	
TURBIDITY CURTAIN	
TYPE A – INLET PROTECTION	A
TYPE F – INLET TUBE	F
DUST CONTROL	DC
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
CONCRETE WASHOUT	C
TEMPORARY ROCK CHECK DAM	



PLAN
HORIZONTAL SCALE 1"=30'

30 15 0 30 60
SCALE IN FEET

SOUTH CAROLINA GRID

South Carolina 811 Call 811 Before You Dig

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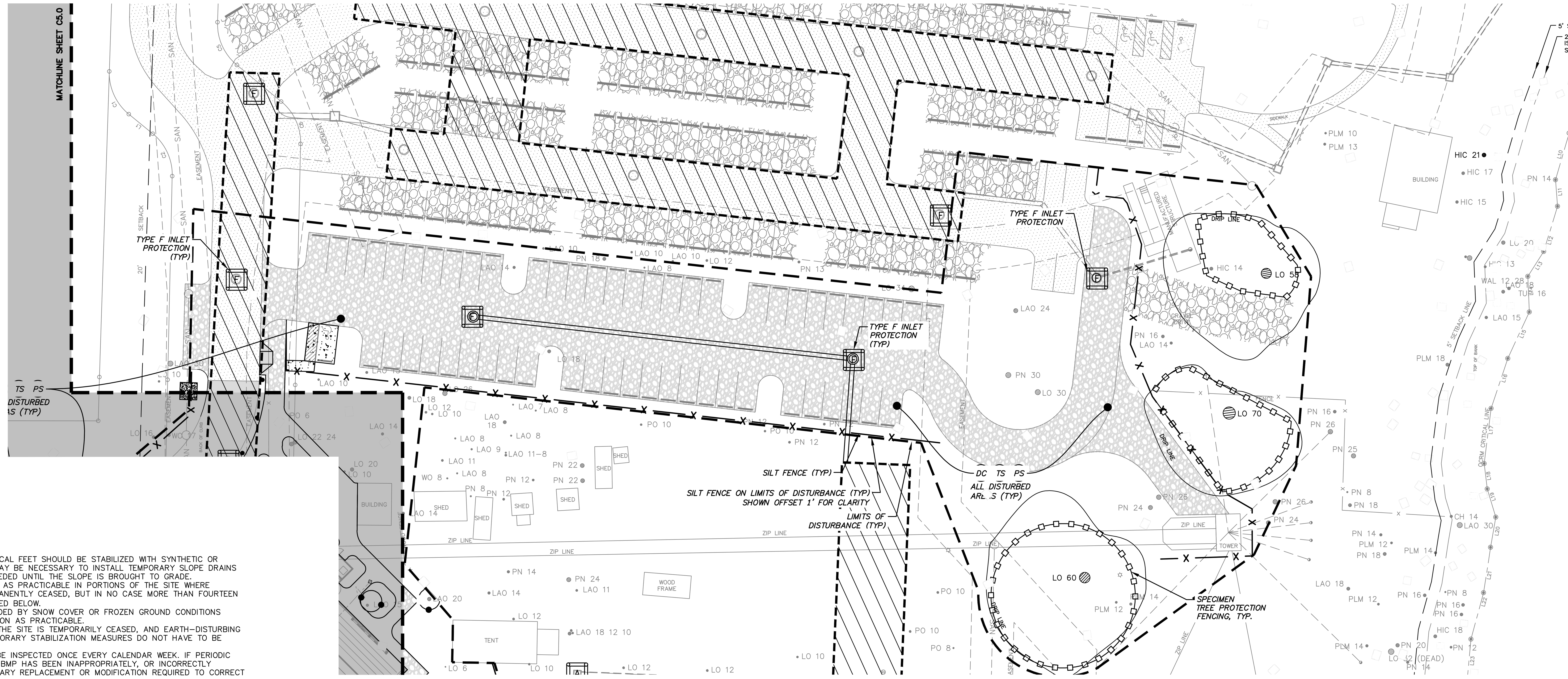
SOUTH CAROLINA PROFESSIONAL ENGINEER NO. 24149 MATTHEW E. RANDALL
12/31/19

REV #	DATE	DESCRIPTION

BROAD CREEK MARINA
GO-KART TRACK

SWPP PLAN

DRAWN BY:	NLS
CHECKED BY:	MER
APPROVED BY:	MER
DATE:	12/31/2019
SCALE:	1" = 20'
JOB No.	2019-0499
DRAWING No.	C5.0



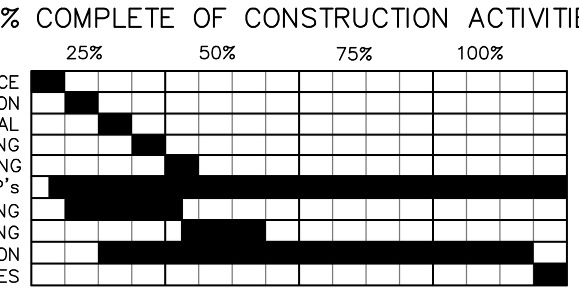
STANDARD NOTES

1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
   - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
   - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH–DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72–300 ET SEQ. AND SCR100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT–LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50–FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10–FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND–DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
   - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
   - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
   - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
19. A PRE–CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON–SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON–LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON–SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

GRASSING REQUIREMENTS

1. SEEDING SCHEDULE: TEMPORARY SEEDING: APRIL 15 – AUGUST 31, BROWNTOP MILLET @ 40 LBS/ACRE. SEPTEMBER 1, – DECEMBER 15, RYE GRAIN @ 56 LBS/ACRE. PERMANENT SEEDING: APRIL 1 – OCTOBER 15, A MIXTURE OF KENTUCKY 31 FESCUE @ 20 LBS/ACRE AND CREEPING RED FESQUE @ 20 LBS/ACRE. SEPTEMBER 1 TO OCTOBER 15, ADD A NURSE CROP OF ABRUZZI RYE @ 75 LBS/ACRE. OCTOBER 15 TO MARCH 30 SEED ABRUZZI RYE AT 100 LBS/ACRE. DOLOMITIC LIME WILL BE INCORPORATED AT THE RATE OF 3000 POUNDS/ACRE.
2. FERTILIZER WILL BE A COMMERCIAL GRADE 10–10–10 INCORPORATED INTO THE SOIL AT A RATE OF 1500 POUNDS/ACRE.
3. FROM JUNE THROUGH AUGUST AND NOT LESS THAN 30 DAYS AFTER SEEDING, APPLY AMMONIUM NITRATE (NOT LESS THAN 20% NITRATE) AT A RATE EQUAL TO 60 POUNDS OF AVAILABLE NITROGEN/ACRE.
4. ALL SEEDED AREAS WILL BE MULCHED WITH HAY OR STRAW AT A RATE OF 1500 POUNDS/ACRE.
5. SEEDING AND MULCHING MAY BE ACCOMPLISHED IN A SINGLE HYDROSEEDING OPERATION. SEEDED AREAS WILL BE MULCHED WITH HAY, STRAW OR WOOD CELLULOSE AT A RATE OF 1500 LBS/ACRE.

% COMPLETE OF CONSTRUCTION ACTIVITIES



TEMPORARY GRASSING

1. MARCH 1–AUGUST 14 SHALL BE PEARL MILLET 50 LBS./ACRE COVERED WITH HEAVY MULCH. AUGUST 15–FEBRUARY 28 SHALL BE RYE GRASS 40 LBS./ACRE AND RYE GRAIN SIMULTANEOUSLY.

1. THE TIME AND PERIODS SHOWN ARE NOT EXACT OR READILY DETERMINABLE BUT IN ALL CASES SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INCORPORATED INTO THE CONSTRUCTION IN THE SEQUENCE AS SHOWN ABOVE AND/OR AS DIRECTED BY TOWN OF BLUFFTON OR SCDHEC.
2. GRASSING WILL BE ACCEPTED WHEN A 95% COVER BY PERMANENT GRASSES IS OBTAINED AND WEEDS ARE NOT DOMINANT.
3. GRASSING OF CONSTRUCTION AREAS WILL COMMENCE AT COMPLETION OF EACH PHASE OF CONSTRUCTION OR IN THE SEQUENCE AS SHOWN ABOVE. IN ANY CASE GRASSING OF ANY CONSTRUCTION AREA WILL BEGIN AT THE EARLIEST POSSIBLE DATE.

South Carolina Department of Health and Environmental Control

MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS

EFFECTIVE DATE: AUGUST, 2005

DESCRIPTION	SYMBOL
TREE PROTECTION	
SPECIMEN TREE PROTECTION	
SILT FENCE	
TURBIDITY CURTAIN	
TYPE A – INLET PROTECTION	A
TYPE F – INLET TUBE	F
DUST CONTROL	DC
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
CONCRETE WASHOUT	C
TEMPORARY ROCK CHECK DAM	

PLAN
HORIZONTAL SCALE 1"=30'

30 15 0 30 60
SCALE IN FEET

DISTURBED AREA = 4.4 AC

SEE SHEET C5.2 & C5.3 FOR SWPPP DETAILS

SOUTH CAROLINA GRID

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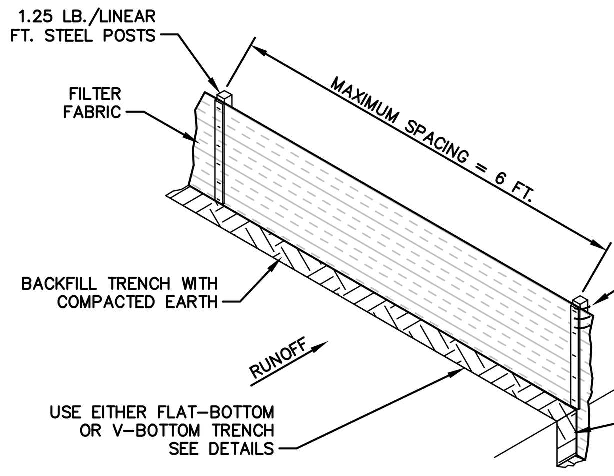
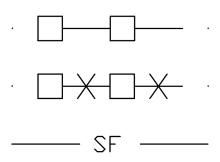
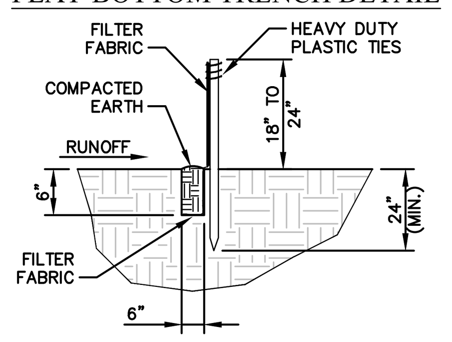
SILT FENCE INSTALLATION



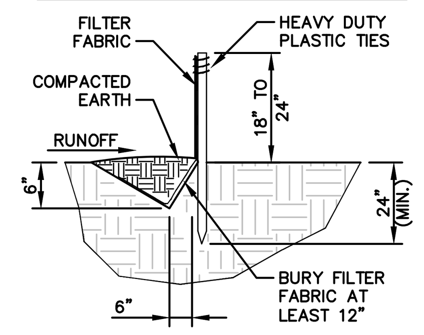
PLAN SYMBOL



FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



SILT FENCE - GENERAL NOTES

1. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100-FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. SILT FENCE JOINTS, WHEN NECESSARY, SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
   - WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1-FOOT MINIMUM OVERLAP;
   - OVERLAP SILT FENCE BY INSTALLING 3-FEET PASSED THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY-DUTY PLASTIC TIES; OR,
   - OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8-INCHES OF THE FABRIC.
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORMWATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.
7. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED/INSTALLED SILT FENCE.

SILT FENCE
SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH
STANDARD DRAWING NO. SC-03 [PAGE 1]
N.T.S.

SILT FENCE - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48-INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND A NOMINAL "T" LENGTH OF 1.48-INCHES.
   - WEIGH 1.25 POUNDS PER FOOT (± 8%)
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF 17-SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
4. INSTALL POSTS TO A MINIMUM OF 24-INCHES. A MINIMUM HEIGHT OF 1- TO 2- INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6-FEET ON CENTER.

SILT FENCE - FABRIC REQUIREMENTS

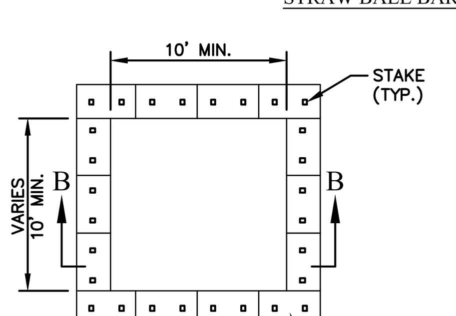
1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   - HAVE A MINIMUM WIDTH OF 36-INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34, MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12-INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24-INCHES ABOVE THE GROUND.

SILT FENCE - INSPECTION AND MAINTENANCE

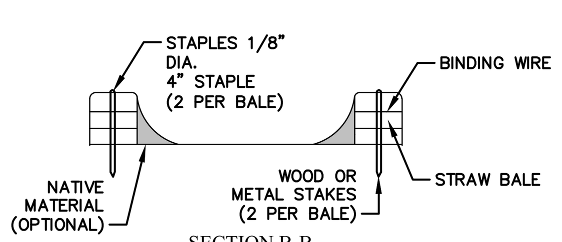
1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SILT FENCE SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORMWATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKS/TIE-BACKS AND/OR REINSTALL SILT FENCE, AS NECESSARY.
7. CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE SILT FENCE INEFFECTIVE. REMOVED DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.
8. SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.

SILT FENCE
SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH
STANDARD DRAWING NO. SC-03 [PAGE 2]
GENERAL NOTES

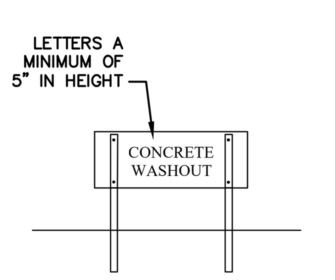
STRAW BALE BARRIER CONCRETE WASHOUT



PLAN
TYPE "ABOVE GRADE" WITH STRAW BALES



SECTION B-B

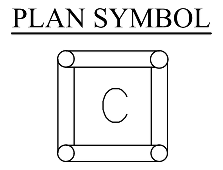


CONCRETE WASHOUT SIGN DETAIL

NOTES

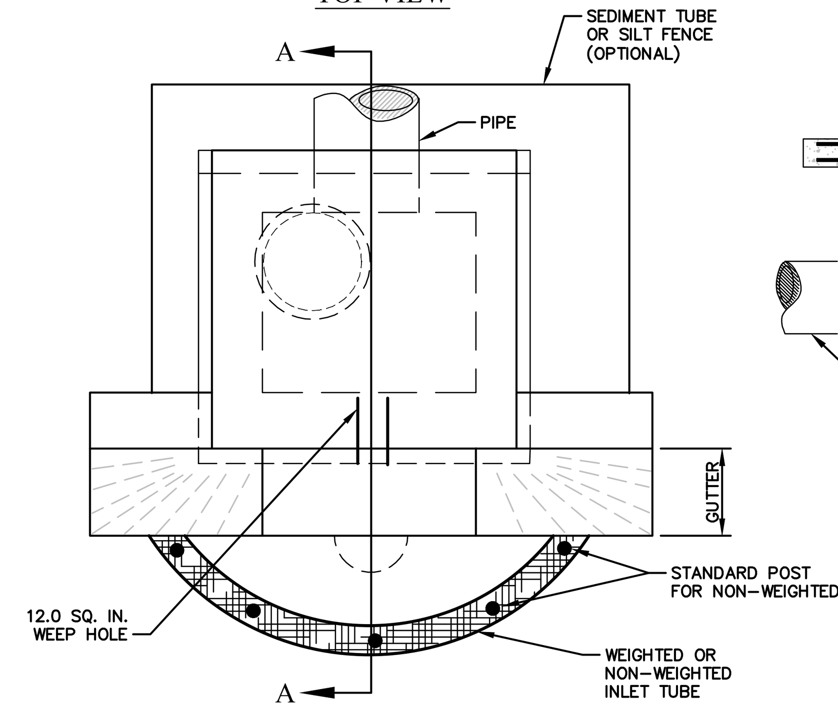
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

PLAN SYMBOL

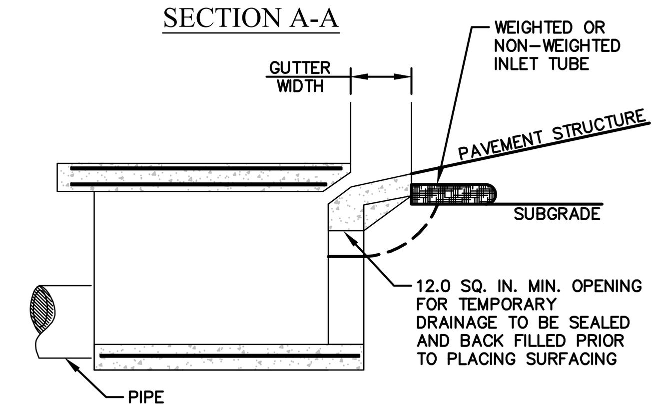


CONCRETE WASHOUT
STRAW BALES OR ABOVE GROUND
SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH
STANDARD DRAWING NO. RC-07 [PAGE 1]
N.T.S.

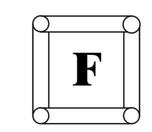
TOP VIEW



SECTION A-A



PLAN SYMBOL



TYPE F
INLET TUBES
SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH
STANDARD DRAWING NO. SC-11 [PAGE 1]
N.T.S.

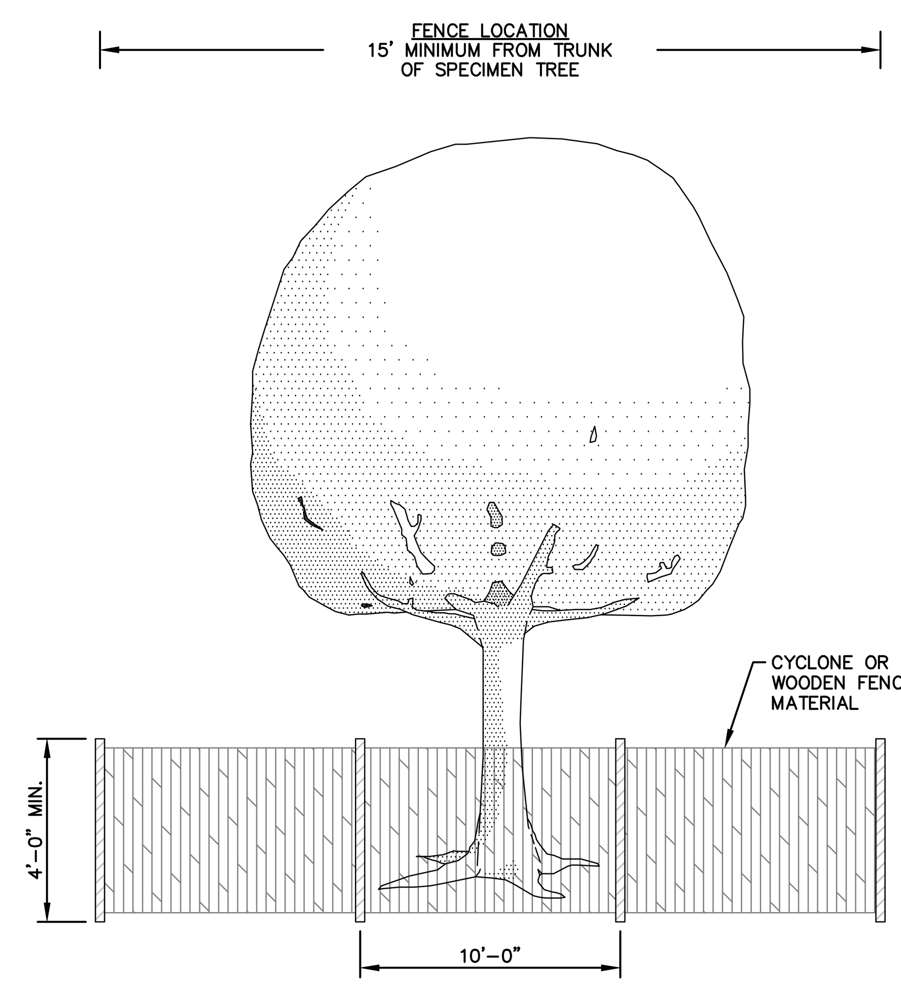
TYPE F - INLET TUBES GENERAL NOTES

1. ONLY USE SURFACE CURB INLET FILTERS THAT HAVE A MINIMUM HEIGHT OR DIAMETER OF 9-INCHES AND HAVE A MINIMUM LENGTH THAT IS 2-FEET LONGER THAN THE LENGTH OF THE CURB OPENING.
2. SURFACE COURSE INLETS FILTERS THAT ARE DESIGNED TO COMPLETELY BLOCK THE INLET OPENING ARE PROHIBITED. ACCEPTABLE INLET FILTERS SHOULD ALLOW FOR OVERFLOWS TO ENTER THE CATCH BASIN.
3. SURFACE COURSE INLET FILTERS SHOULD BE CONSTRUCTED WITH A SYNTHETIC MATERIAL THAT WILL ALLOW STORMWATER TO FREELY FLOW THROUGH WHILE TRAPPING SEDIMENT AND DEBRIS.
4. STRAW, STRAW FIBER, STRAW BALES, PINE NEEDLES AND LEAF MULCH ARE NOT PERMISSIBLE FILTER MATERIALS.
5. EACH FILTER SHOULD HAVE AGGREGATE COMPARTMENTS FOR STONE, SAND, AND OTHER WEIGHTED MATERIALS OR MECHANISMS TO HOLD THE UNIT IN PLACE. FILL AGGREGATE COMPARTMENTS TO A LEVEL (AT LEAST 1/2 FULL) TO HOLD THE FILTER IN PLACE AND CREATE A SEAL BETWEEN THE FILTER AND THE ROAD SURFACE.
6. USE ONLY TYPE E INLET FILTERS APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #58, OR FILTERS THAT MEETING THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

TYPE F - INLET TUBES INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF ALL INLET PROTECTION SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2-INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE INLET PROTECTION IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN SILT AND/OR DEBRIS HAS BUILT UP AROUND THE FILTER PREVENTING STORMWATER TO FLOW THROUGH THE FILTER.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. INLET PROTECTION STRUCTURES SHOULD BE REMOVED AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.

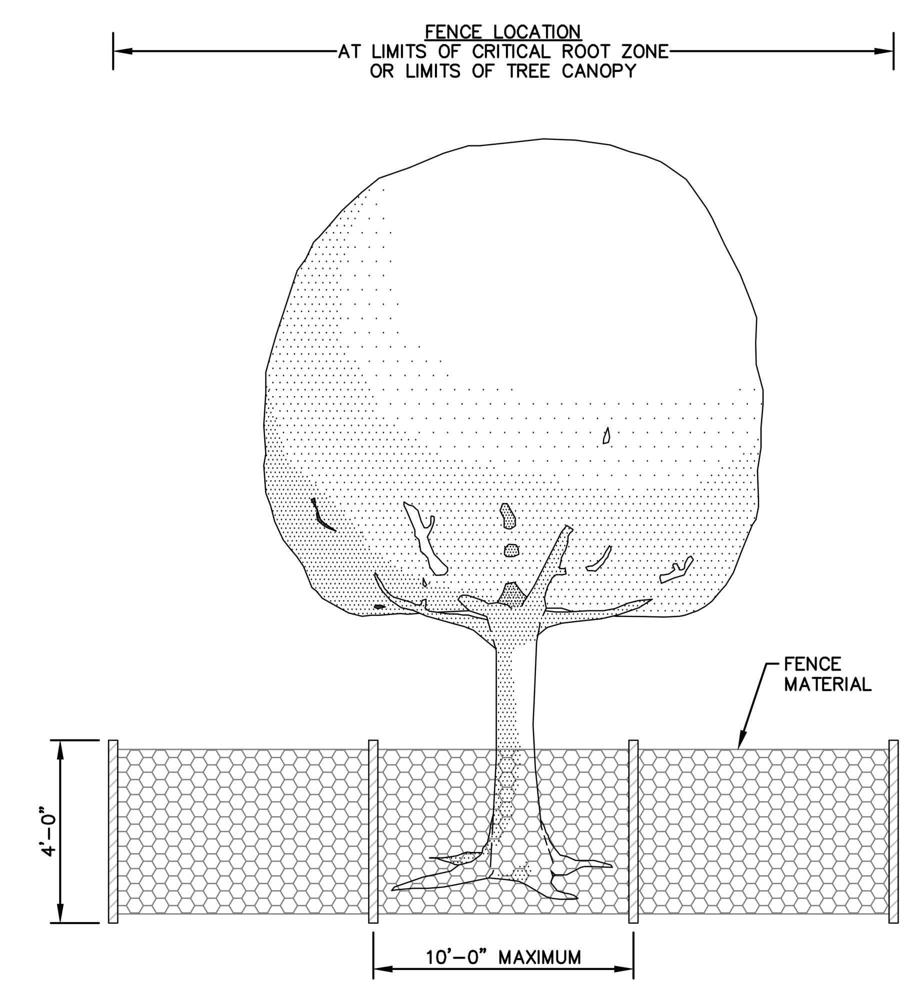
TYPE F
INLET TUBES
SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH
STANDARD DRAWING NO. SC-11 [PAGE 2]
GENERAL NOTES



SPECIMEN TREE PROTECTION FENCE DETAIL

N.T.S.

NOTE: INSTALL TREE PROTECTION FENCE AROUND ALL SPECIMEN TREES TO REMAIN



TREE PROTECTION FENCE DETAIL

N.T.S.

NOTE: INSTALL TREE PROTECTION FENCE AROUND ALL TREES TO REMAIN

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Cranston Engineering Group, P.C.
NO. C00575
CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION

SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 24749
MATTHEW E. RANDALL
12/31/19

REV #	DATE	DESCRIPTION

BROAD CREEK MARINA
GO-KART TRACK

SWPPP DETAILS

DRAWN BY:	NLS
CHECKED BY:	MER
APPROVED BY:	MER
DATE:	12/31/2019
SCALE:	1" = 20'
JOB No.	2019-0499
DRAWING No.	C5.2

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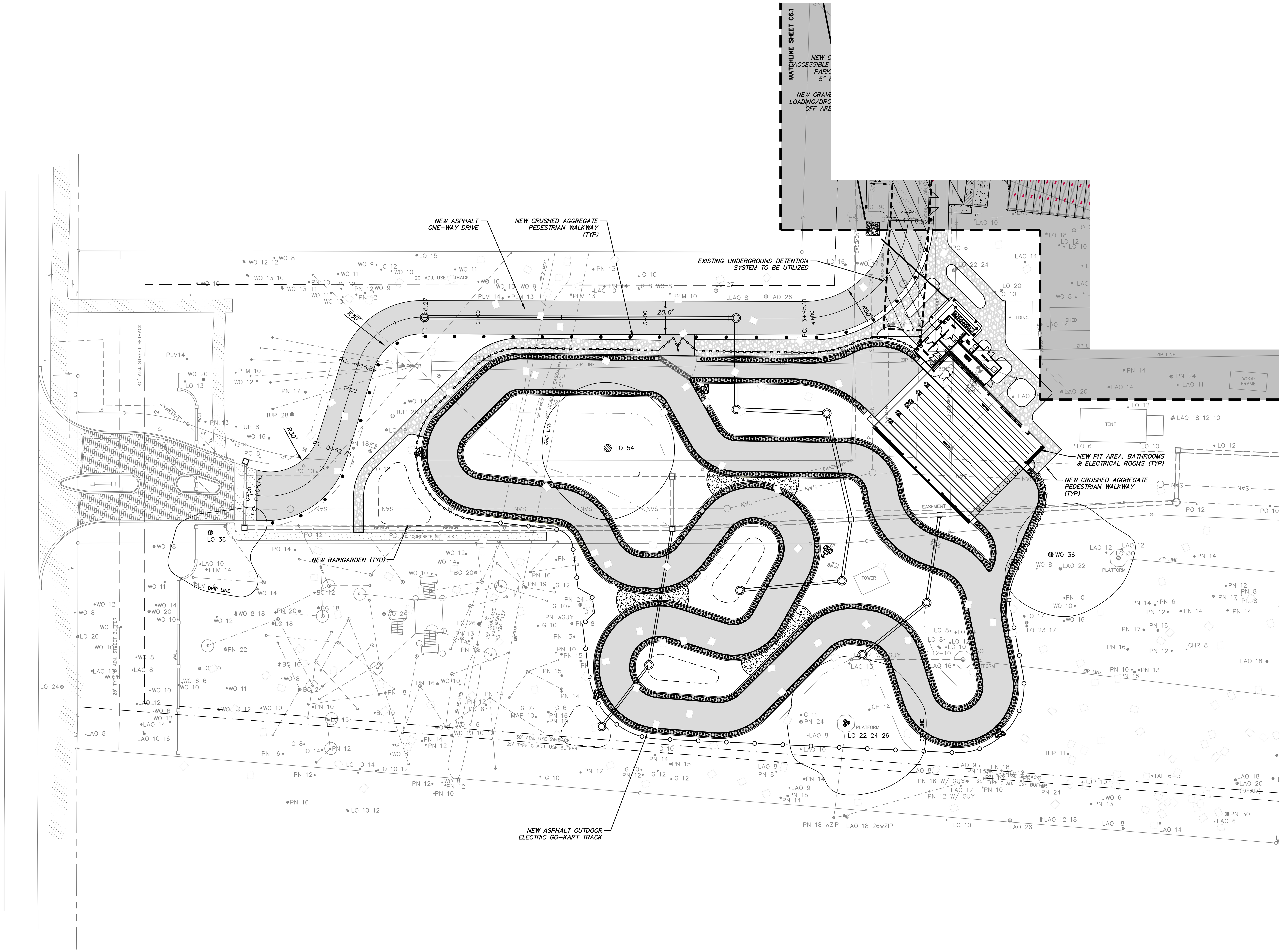

PLAN
HORIZONTAL SCALE 1"=30'
30 15 0 30 60
SCALE IN FEET

SOUTH CAROLINA GRID

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SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 24149
MATTHEW E. RANDALL
12/31/19

REV #	DATE	DESCRIPTION

BROAD CREEK MARINA
GO-KART TRACK

SITE IMPROVEMENTS PLAN

DRAWN BY:	NLS
CHECKED BY:	MER
APPROVED BY:	MER
DATE:	12/31/2019
SCALE:	1" = 20'
JOB No.	2019-0499
DRAWING No.	C6.0

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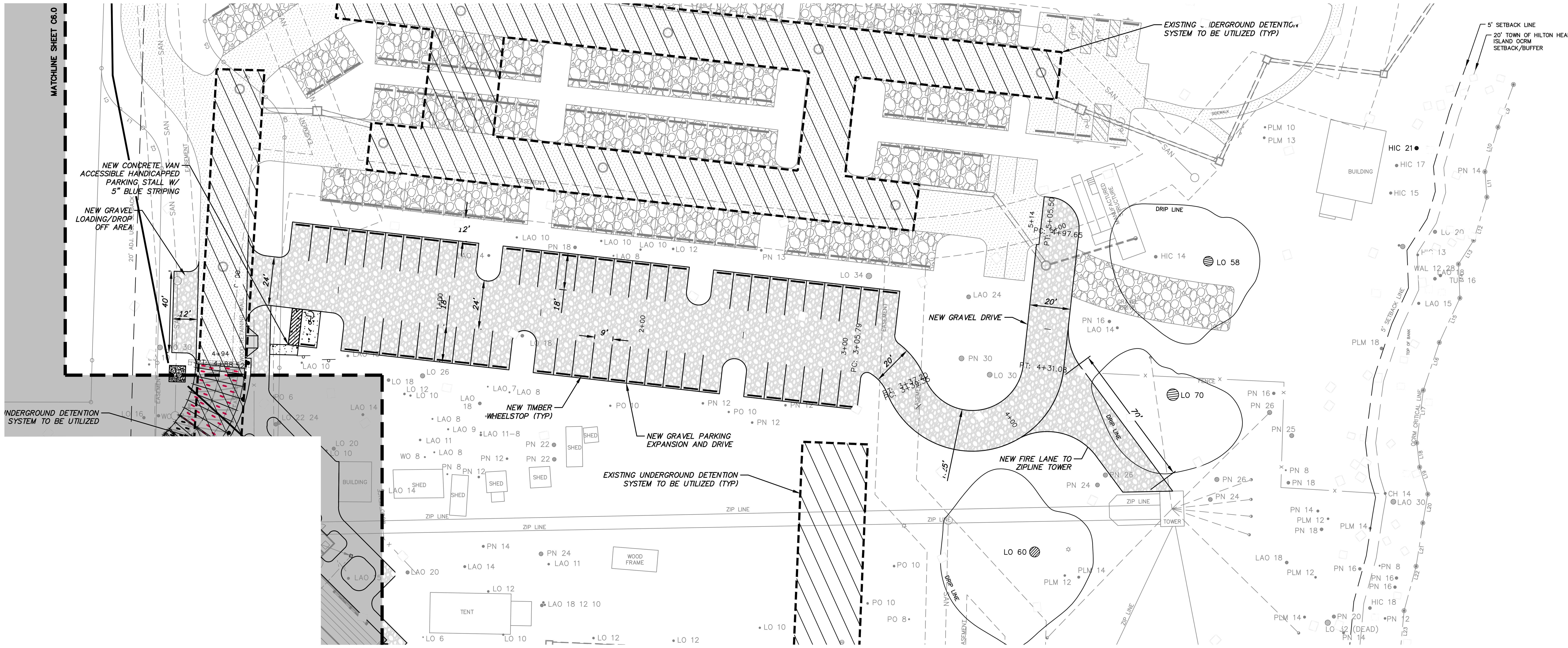

PLAN
HORIZONTAL SCALE 1"=30'
30 15 0 30 60
SCALE IN FEET

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SOUTH CAROLINA
PROFESSIONAL ENGINEER
NO. 24249
MATTHEW E. RANDALL
12/31/19

REV #	DATE	DESCRIPTION

BROAD CREEK MARINA
GO-KART TRACK

SITE IMPROVEMENTS PLAN

DRAWN BY:	NLS
CHECKED BY:	MER
APPROVED BY:	MER
DATE:	12/31/2019
SCALE:	1" = 20'
JOB No.	2019-0499
DRAWING No.	C6.1

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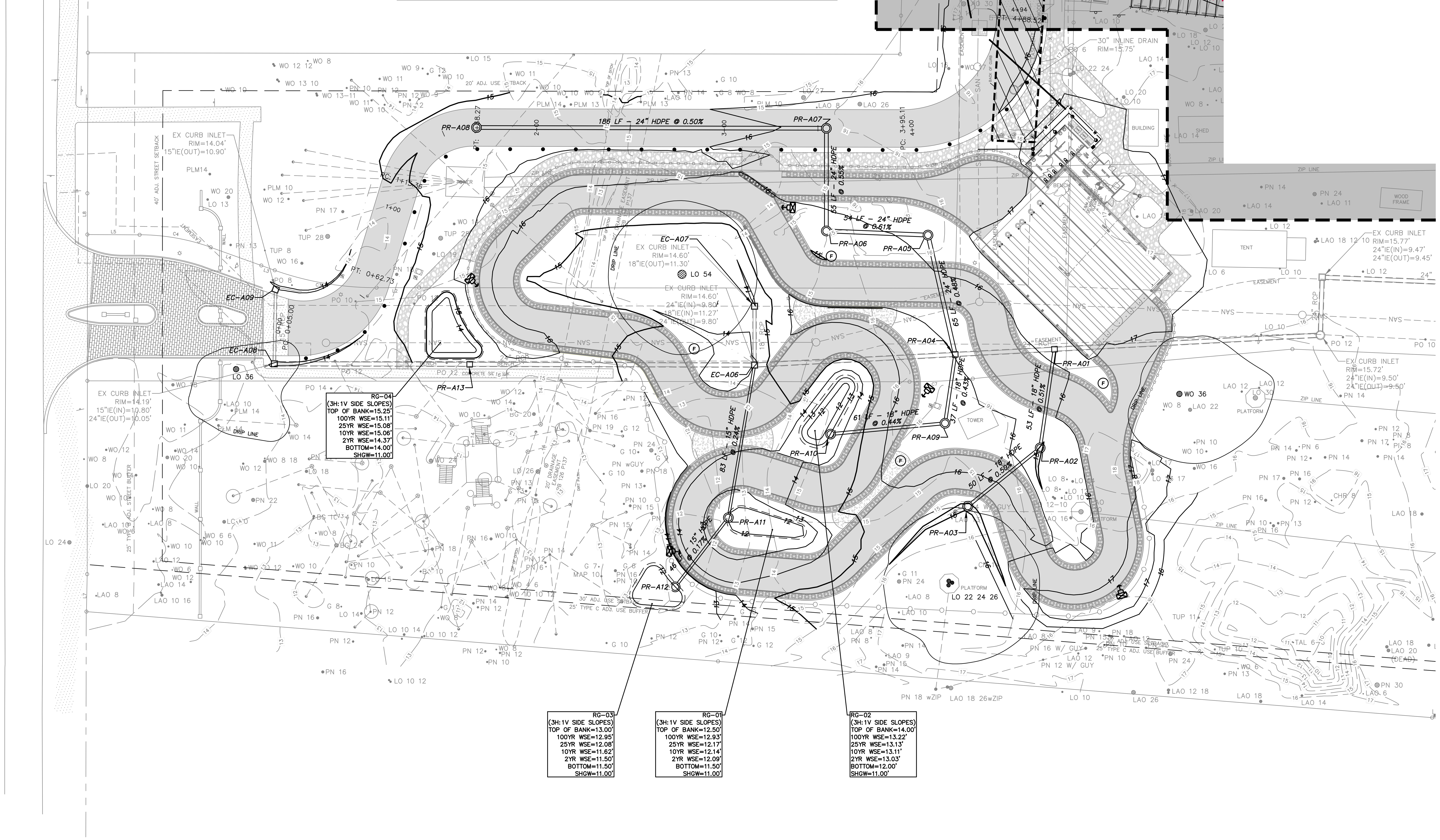
STRUCTURE	DESCRIPTION	RIM (FT)	INVERTS (FT)				SUMP (FT)
			IN 1	IN 2	IN 3	OUT	
EC-A06	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.50					
EC-A07	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.75					
EC-A08	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.75					
EC-A09	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.75					
PR-A01	48" X 48" CATCH BASIN	14.75	18"=9.64	24"=9.64		24"=9.64	8.64
PR-A02	24" NYLOPLAST BASIN	15.00	18"=9.91			18"=9.91	9.41
PR-A03	24" NYLOPLAST BASIN	14.50				18"=10.16	9.66
PR-A04	48" X 48" CATCH BASIN	15.25	18"=9.69	24"=9.69	24"=9.69	24"=9.69	8.69
PR-A05	24" NYLOPLAST BASIN	15.00	24"=10.00			24"=10.00	9.50
PR-A06	24" NYLOPLAST BASIN	14.00	24"=10.33			24"=10.33	9.83
PR-A07	24" NYLOPLAST BASIN	16.11	24"=10.63			24"=10.63	10.13
PR-A08	24" NYLOPLAST BASIN	15.18				24"=11.56	11.06
PR-A09	24" NYLOPLAST BASIN	15.00	18"=9.85			18"=9.85	9.25
PR-A10	18" NYLOPLAST INLINE DRAIN	13.00				18"=10.12	
PR-A11	15" NYLOPLAST INLINE DRAIN	12.00	15"=10.00			15"=10.00	
PR-A12	15" NYLOPLAST INLINE DRAIN	12.00				15"=10.08	
PR-A13	48" X 48" CATCH BASIN	15.00	24"=9.95			24"=9.95	8.95
PR-A14	24" NYLOPLAST BASIN	15.70	24"=10.00			24"=10.00	9.50
PR-A15	24" NYLOPLAST BASIN	15.50	24"=10.00			24"=11.80	11.30



PLAN

HORIZONTAL SCALE 1"=30'

30 15 0 30 60

SCALE IN FEET

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SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 24149
...HEW E. RANDALL
12/31/19

REV #	DATE	DESCRIPTION

BROAD CREEK MARINA GO-KART TRACK

GRADING & DRAINAGE PLAN

DRAWN BY:	NLS
CHECKED BY:	MER
APPROVED BY:	MER
DATE:	12/31/2019
SCALE:	1" = 20'
JOB No.	2019-0499
DRAWING No.	C7.0

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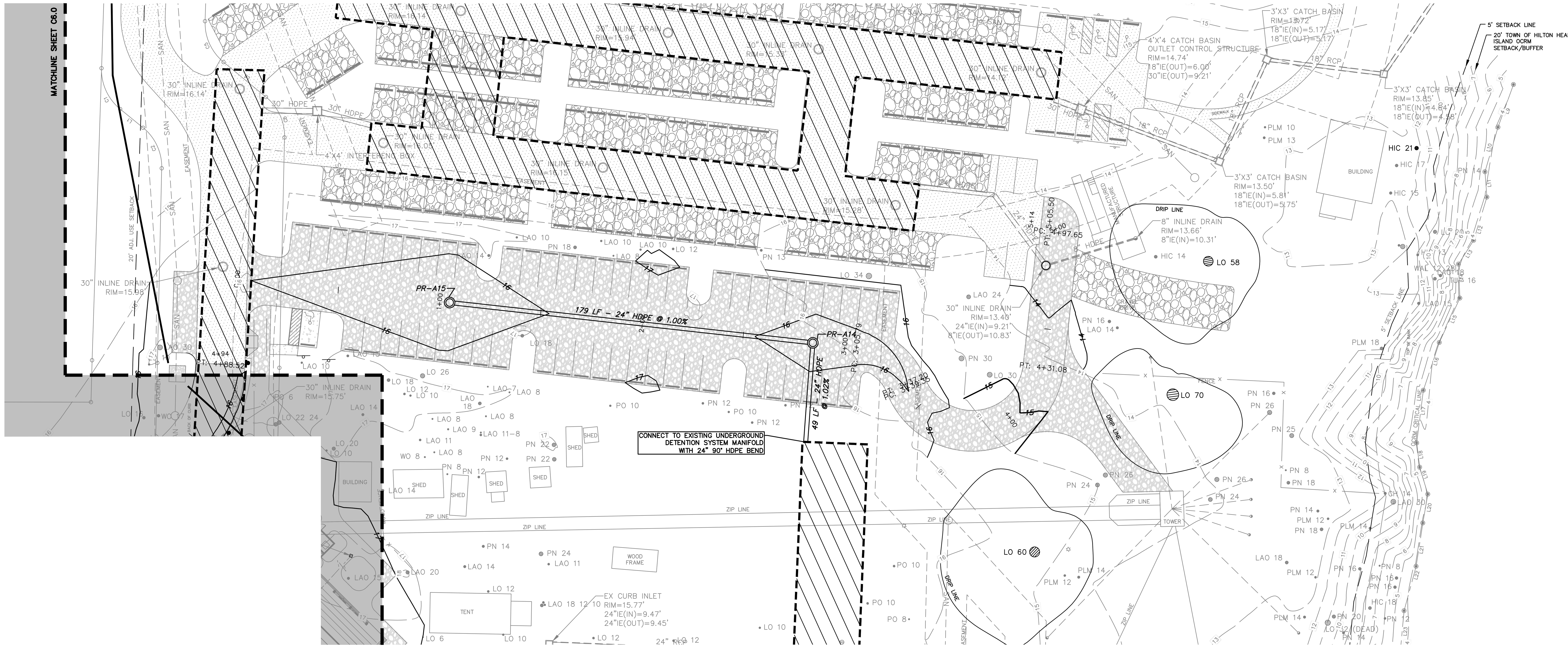

STRUCTURE	DESCRIPTION	RIM (FT)	INVERTS (FT)				SUMP (FT)
			IN 1	IN 2	IN 3	OUT	
EC-A06	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.50					
EC-A07	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.75					
EC-A08	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.75					
EC-A09	REPLACE EXISTING TOP W/ GRATED INLET TOP	13.75					
PR-A01	48" X 48" CATCH BASIN	14.75	18"=9.64	24"=9.64		24"=9.64	8.64
PR-A02	24" NYLOPLAST BASIN	15.00	18"=9.91			18"=9.91	9.41
PR-A03	24" NYLOPLAST BASIN	14.50				18"=10.16	9.66
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PR-A08	24" NYLOPLAST BASIN	15.18				24"=11.56	11.06
PR-A09	24" NYLOPLAST BASIN	15.00	18"=9.85			18"=9.85	9.25
PR-A10	18" NYLOPLAST INLINE DRAIN	13.00				18"=10.12	
PR-A11	15" NYLOPLAST INLINE DRAIN	12.00	15"=10.00			15"=10.00	
PR-A12	15" NYLOPLAST INLINE DRAIN	12.00				15"=10.08	
PR-A13	48" X 48" CATCH BASIN	15.00	24"=9.95			24"=9.95	8.95
PR-A14	24" NYLOPLAST BASIN	15.70	24"=10.00			24"=10.00	9.50
PR-A15	24" NYLOPLAST BASIN	15.50				24"=11.80	11.30

PLAN
HORIZONTAL SCALE 1"=30'

30 15 0 30 60
SCALE IN FEET

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12/31/19

REV #	DATE	DESCRIPTION

BROAD CREEK MARINA GO-KART TRACK

GRADING & DRAINAGE PLAN

DRAWN BY:	NLS
CHECKED BY:	MER
APPROVED BY:	MER
DATE:	12/31/2019
SCALE:	1" = 20'
JOB No.	2019-0499
DRAWING No.	C7.1

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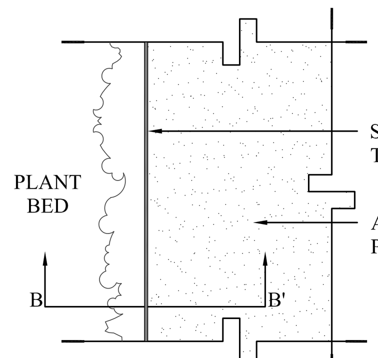
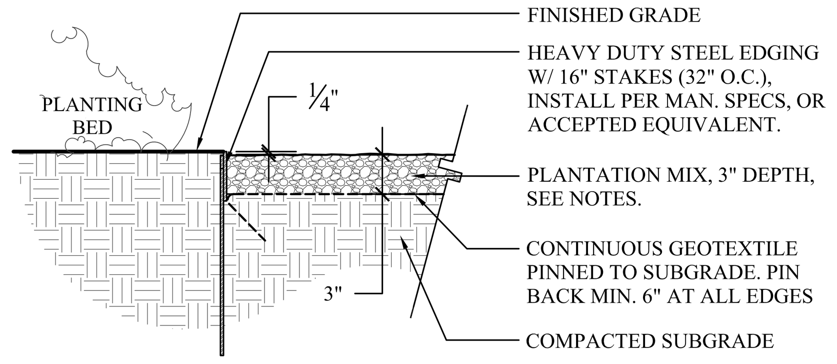


PLAN VIEW



SECTION

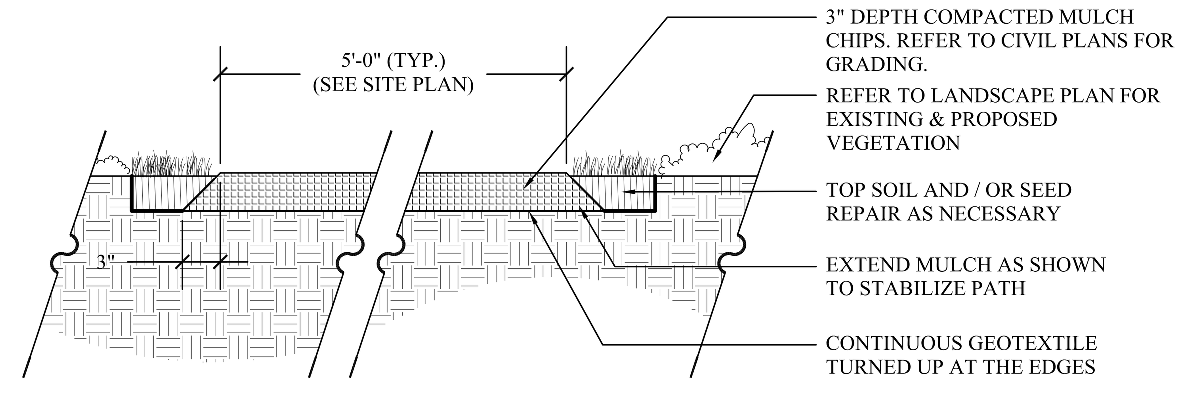
MATERIAL SELECTIONS:

- **AGGREGATE:**
  PLANTATION MIX: 50% #789 AND 50% UNWASHED GRANITE SCREENINGS, PRE-MIXED PRIOR TO BEING DELIVERED ON SITE.
- **STEEL EDGING:**
  MNFR: BORDER CONCEPTS
  MODEL: BORDER KING
  COLOR: BLACK
  PANEL SIZE: 1/4" X 5" X 16'

NOTES:

1. SEE SITE PLAN FOR LOCATIONS.
2. SEE AGGREGATE SUPPLIERS INSTALLATION GUIDELINES FOR ADDITIONAL INFORMATION.
3. VIBRATE COMPACT AGGREGATE BASE & PATH SO THAT COMPACTION MEETS ASTM 1951. PATHWAYS SHALL CONFORM TO ADA STANDARDS.
4. PROVIDE SAMPLES OF AGGREGATE FOR APPROVAL PRIOR TO INSTALLATION.
5. CONTRACTOR TO PROVIDE 4'X4' MOCKUP / SAMPLE FOR EACH CONDITION FOR APPROVAL.
6. CONTRACTOR SHALL GRADE SIDE AND PATHS SO THAT THERE IS NO WASHOUT OF AGGREGATE MATERIAL FROM EDGES.
7. IN AREAS WHERE PATHWAY IS BORDERED BY CONCRETE, ASPHALT, TRACK, OR OTHER MONOLITHIC SURFACE, NO STEEL EDGING IS REQUIRED.

1 GRAVEL WALK
L-300 SCALE: 1" = 1'-00"

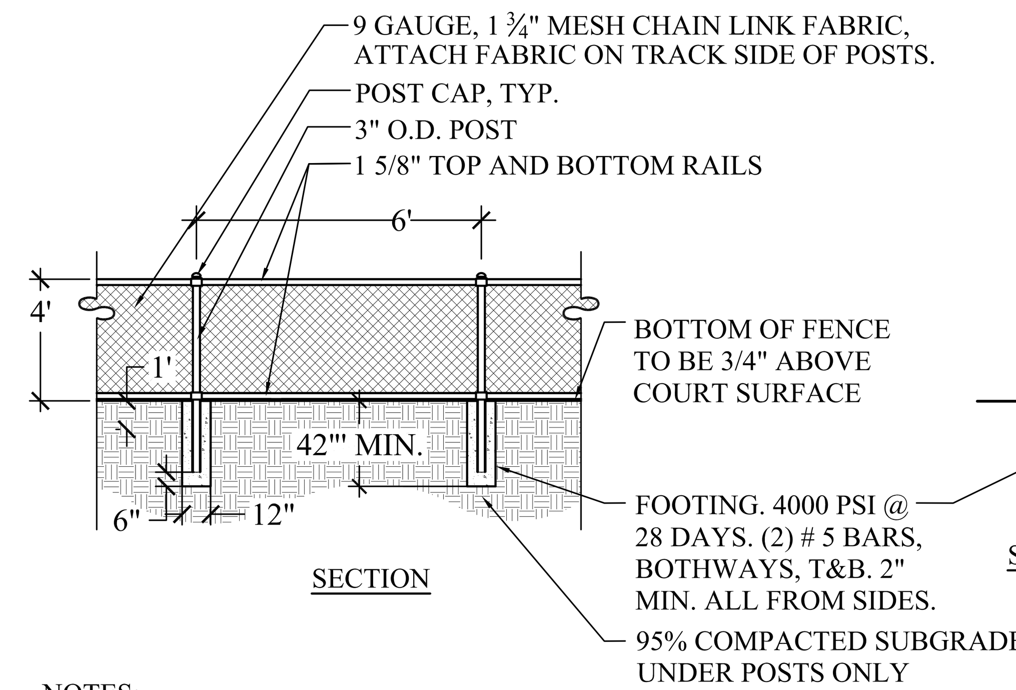


SECTION

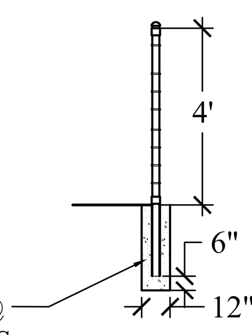
NOTES:

1. SEE SITE PLAN FOR LOCATIONS.
2. PATH TO BE HAND-STAKED AND ADJUSTED IN THE FIELD FOR APPROVAL BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT BASED ON SITE CONDITIONS.
3. PROVIDE SAMPLES OF WOOD CHIPS FOR APPROVAL PRIOR TO INSTALLATION.
4. CONTRACTOR TO PROVIDE 4'X4' MOCKUP / SAMPLE FOR EACH CONDITION FOR APPROVAL.
5. CONTRACTOR SHALL MICRO-GRADE SITE SO THAT THERE IS NO WASHOUT OF PATH MATERIAL FROM EDGES.
6. NOTIFY OWNER OR LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN THE FIELD.

2 MULCHED PATH
L-300 SCALE: 1" = 1'-00"



SECTION

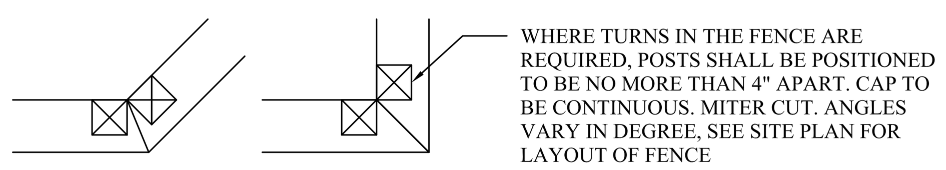


SECTION

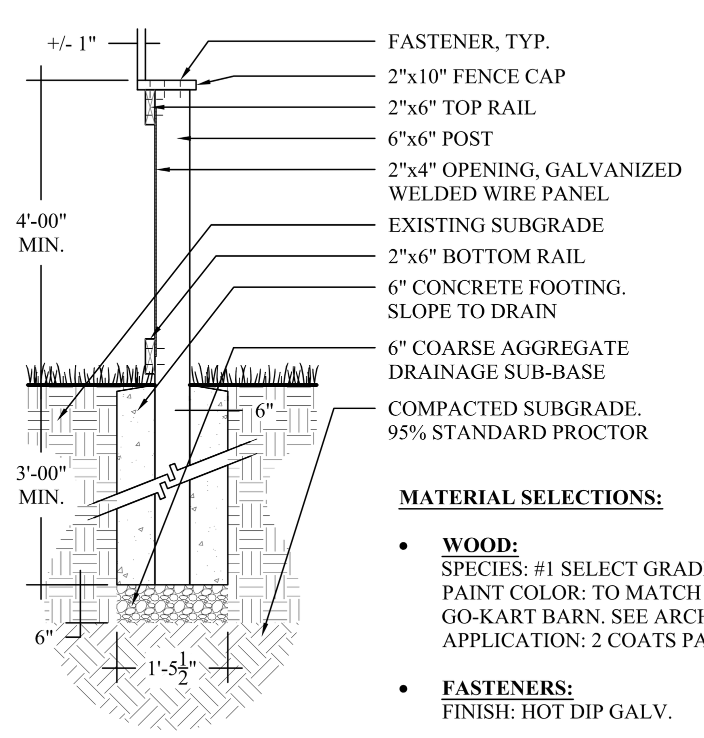
NOTES:

1. ALL FENCING, POSTS, RAILS, ETC. AND ASSOCIATED FASTENERS AND HARDWARE SHALL BE BROWN COLOR.
2. ATTACH CHAIN LINK FABRIC ON COURT SIDE OF POSTS.
3. SET CHAINLINK FABRIC AT 1" ABOVE FINISHED GRADE CONTRACTOR SHALL GROUND AND BOND ALL FENCING AT AN INTERVAL NO GREATER THAN 750', OR PER FENCE MANUFACTURERS SPECIFICATIONS.
4. CONTRACTOR TO SUBMIT MANUFACTURER'S CUT SHEETS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

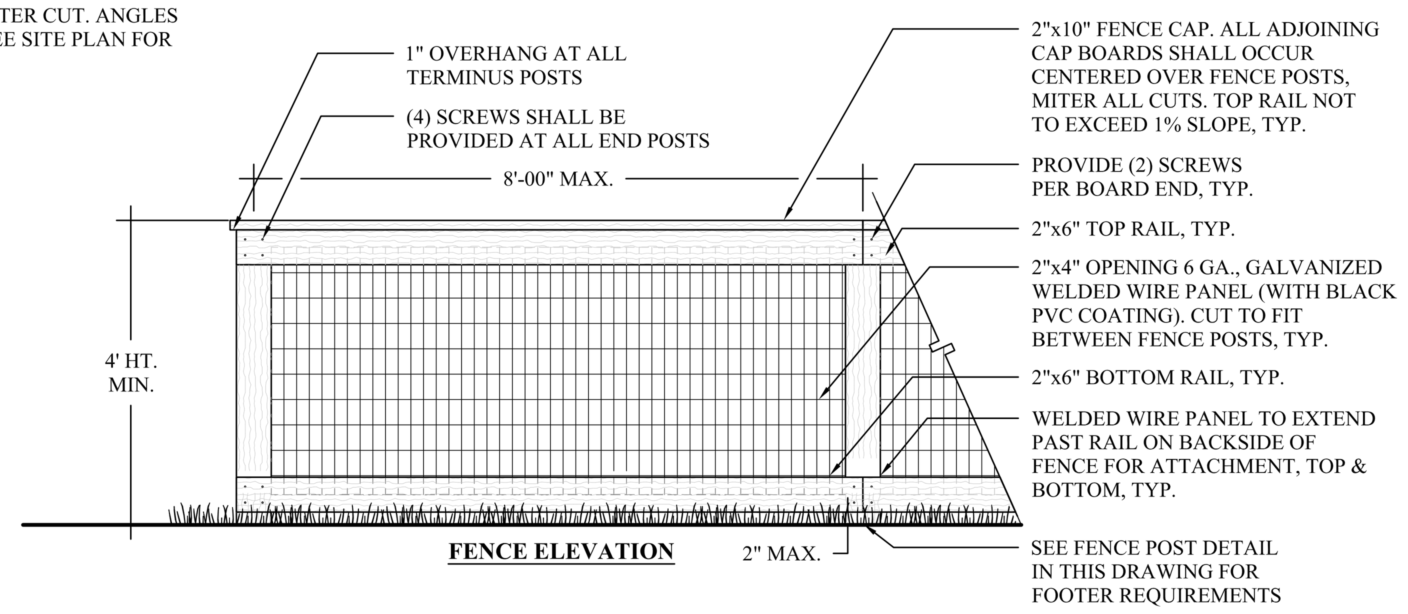
3 CHAINLINK FENCE
L-300 SCALE: 3/16" = 1'-00"



FENCE POST CORNERS



FENCE POST SECTION



FENCE ELEVATION

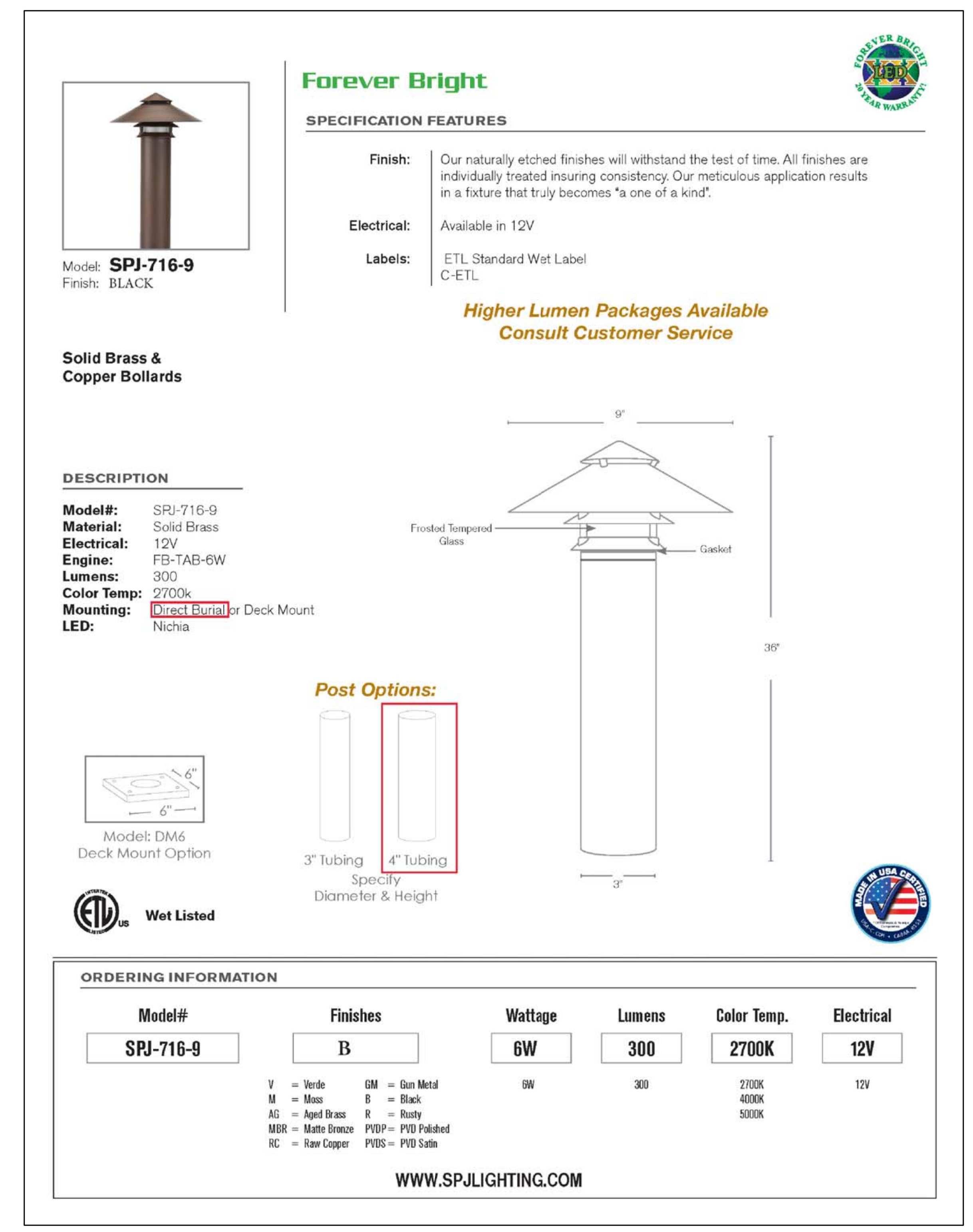
MATERIAL SELECTIONS:

- **WOOD:**
  SPECIES: #1 SELECT GRADE S.Y.P.
  PAINT COLOR: TO MATCH PAINT COLOR ON GO-KART BARN. SEE ARCHITECTURE PLANS.
  APPLICATION: 2 COATS PAINT, 1 COAT PRIMER
- **FASTENERS:**
  FINISH: HOT DIP GALV.
- **CONCRETE:**
  REQUIRMENTS: 3000 PSI AT 28 DAYS

GENERAL NOTES

1. ALL FENCE CAPS SHALL BE INSTALLED GRAIN SIDE DOWN TO AVOID CUPPING.
2. CONTRACTOR IS RESPONSIBLE FOR THE ALIGNMENT & PLUMBNESS OF ALL STRUCTURAL MEMBERS.
3. SEE GRADING PLAN & LAYOUT PLAN NOTES FOR INFORMATION ON HANDLING FENCE SECTIONS ALONG GRADE CHANGES.
4. CONTRACTOR SHALL COORDINATE PLACEMENT & POURING OF POST FOOTINGS WITH COLUMN FOOTINGS.
5. WIRE PANELS SHALL BE FASTENED EVERY 18" AT THE TOP, BOTTOM AND MIDDLE OF THE PANEL & TO MAINTAIN A TAUGHT APPEARANCE & TO PREVENT THE WIRE FROM BOWING AWAY FROM THE FENCE.
6. 36" (H) WELDED WIRE MESH SHALL BE 4 GAUGE WITH 2"x4" VOIDS (VERTICAL).
7. WIRE PANELS SHALL BE GALVANIZED AND HAVE A BLACK PVC COATED FINISH & CUT TO FIT BETWEEN FENCE POSTS.
8. PROVIDE COLOR MOCK UP / SAMPLE FOR OWNER APPROVAL PRIOR TO FINAL APPLICATION.
9. SIDE OF FENCE WITH TOP & BOTTOM RAILS IS TO FACE AWAY FROM TRACK

4 DECORATIVE FENCE
L-300 SCALE: 1/2" = 1'-00"



Forever Bright

SPECIFICATION FEATURES

Finish: Our naturally etched finishes will withstand the test of time. All finishes are individually treated insuring consistency. Our meticulous application results in a fixture that truly becomes "a one of a kind".

Electrical: Available in 12V

Labels: ETL Standard Wet Label
C-ETL

Model: **SPJ-716-9**
Finish: BLACK

Higher Lumen Packages Available
Consult Customer Service

Solid Brass & Copper Bollards

DESCRIPTION

Model#: SPJ-716-9
Material: Solid Brass
Electrical: 12V
Engine: FB-TAB-6W
Lumens: 300
Color Temp: 2700k
Mounting: Direct Burial or Deck Mount
LED: Nichia

ORDERING INFORMATION

Model#	Finishes	Wattage	Lumens	Color Temp.	Electrical
SPJ-716-9	B	6W	300	2700K	12V
	V = Verde, M = Moss, AG = Aged Brass, MBR = Matte Bronze, RC = Raw Copper, GM = Gun Metal, B = Black, R = Rusty, PVDP = PVD Polished, PVDS = PVD Satin	6W	300	2700K 4000K 5000K	12V

WWW.SPJLIGHTING.COM

5 PATH LIGHT
L-300 NOT TO SCALE

Wood+Partners Inc.
Landscape Architects
Land Planners

Client Info:
Broad Creek Marina, LLC
33 Broad Creek Marina Way
HHI, SC 29926

NOT FOR CONSTRUCTION - FOR PERMIT ONLY

BROAD CREEK MARINA GO-KART TRACK
33 BROAD CREEK MARINA WAY
HILTON HEAD ISLAND, SC 29928

PROFESSIONAL SEAL:

DRAWN BY:
JS
CHECKED BY:
EW

#	REVISION	DATE	BY

DATE
12-31-2019
PROJECT NUMBER
01-19042
SHEET TITLE
Site Details

SHEET NUMBER
L-300

BUFFER SUMMARY

NORTHERN BUFFER - MARSHLAND ROAD* (±243 L.F., 25' WIDE)							
BUFFER SECTION	BUFFER TYPE	OVERSTORY REQUIRED	OVERSTORY PROVIDED	UNDERSTORY REQUIRED	UNDERSTORY PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
SECTION 1 (108'):	B - OPT.1	3	3 (2) Existing	6	6	11	11
SECTION 2 (135'):	B - OPT.1	4	5 Existing	8	8 (5) Existing	14	20+ Existing

WESTERN BUFFER (±600 L.F., 25' WIDE) - SHOWN EXTENDING TO LIMITS OF PROPOSED WORK							
BUFFER SECTION	BUFFER TYPE	OVERSTORY REQUIRED	OVERSTORY PROVIDED	UNDERSTORY REQUIRED	UNDERSTORY PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
SECTION 1 (100'):	C - OPT.1	3	4 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVERGREEN SCREENING
SECTION 2 (100'):	C - OPT.1	3	9 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVERGREEN SCREENING
SECTION 3 (100'):	C - OPT.1	3	3 (2 Existing)	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVERGREEN SCREENING
SECTION 4 (100'):	C - OPT.1	3	10 Existing	5	5 (4 Existing)	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVERGREEN SCREENING
SECTION 5 (100'):	C - OPT.1	3	4 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVERGREEN SCREENING
SECTION 6 (100'):	C - OPT.1	3	9 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVERGREEN SCREENING

BUFFER NOTES:
* Northern Buffer Excludes unplantable drive aisle in Buffer Calculations

** Seeking to Maintain Sections # / # of Western Buffer Undisturbed as Dense Native Woodlands. Additional native evergreen plant material may be added to enhance buffer if certain sections no longer meet the intent of a Type 'C' Buffer.

*** Counting Proposed Red Cedars, Pine Trees, Palm Trees, Hollies, and SweetBays as Understory Trees.

TREE	DIAMETER (INCHES) 8	10	11	12	13	14	15	16	18	19	20	22	23	24	30	34	43	COUNT	DBH
CHERRY								1										1	16
GUM	2	2	1	1	1	1		1										9	102
LAUREL OAK	2	3		1											1			7	88
LIVE OAK				1										1		1	1	4	113
PIN OAK	1	2		2		4	1											10	123
PINE	3	3		3		6				1	3	1	1					21	298
WATER OAK	1	1				2			1									5	64
COUNT	9	11	1	8	1	13	1	2	1	1	3	1	1	1	1	1	1	57	
DBH	72	110	11	96	13	182	15	32	18	19	60	22	23	24	30	34	43		804

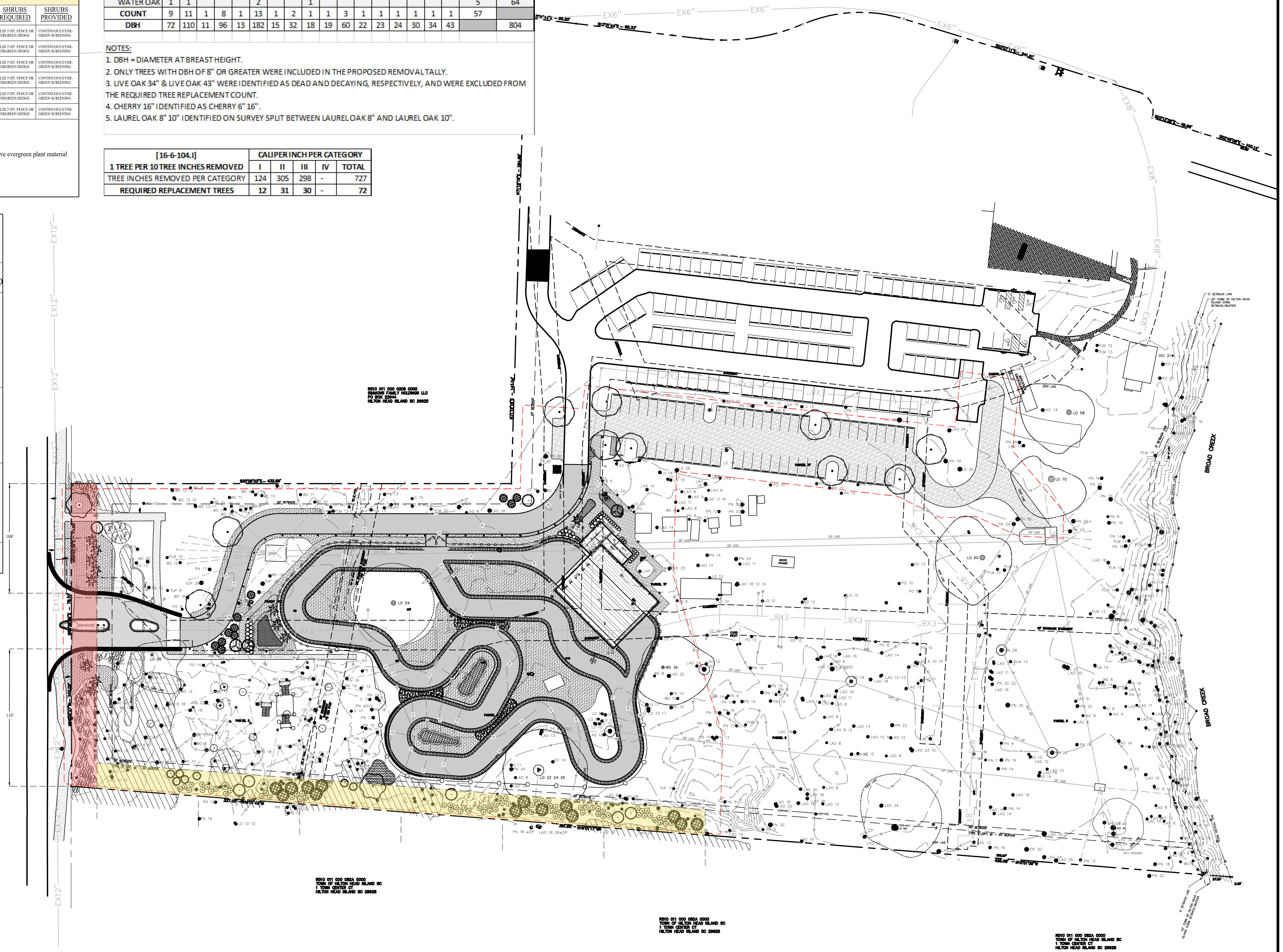
NOTES:
1. DBH = DIAMETER AT BREAST HEIGHT.
2. ONLY TREES WITH DBH OF 8" OR GREATER WERE INCLUDED IN THE PROPOSED REMOVAL TALLY.
3. LIVE OAK 34" & LIVE OAK 43" WERE IDENTIFIED AS DEAD AND DECAYING, RESPECTIVELY, AND WERE EXCLUDED FROM THE REQUIRED TREE REPLACEMENT COUNT.
4. CHERRY 16" IDENTIFIED AS CHERRY 6" 16".
5. LAUREL OAK 8" 10" IDENTIFIED ON SURVEY SPLIT BETWEEN LAUREL OAK 8" AND LAUREL OAK 10".

[16-6-104.I] 1 TREE PER 10 TREE INCHES REMOVED	CALIPER INCH PER CATEGORY I	II	III	IV	TOTAL
TREE INCHES REMOVED PER CATEGORY	124	305	298	-	727
REQUIRED REPLACEMENT TREES	12	31	30	-	72

TREE REPLACEMENT SUMMARY (TOTAL)

TREE REPLACEMENT 1 PER 10" REMOVED
FOR EACH CATEGORY. SEE CHART FOR BREAKDOWN.

CAT.	INCHES REMOVED	#REPLACEMENT INCHES REQ.	#REPLACEMENT INCHES PROVIDED
I	124"	24" REQUIRED (2" x 12 TREES)	[70"] (11) 2" A. Holly (7) 2" Magnolia (2) 2" Live Oaks (10) 3" Live Oaks
	24 REQ - 70 = 46 CAT 1 TREE SURPLUS SURPLUS TO BE APPLIED TO CAT 2		
II	305"	62" REQUIRED (2" x 31 TREES)	[28"] (14) 2" Myrtles
	62 REQ - 28 - 46(CAT I) = 12" CAT 2 TREE SURPLUS SURPLUS TO BE APPLIED TO CAT 3		
III	298"	30" REQUIRED (1" x 30 TREES)	[19"] (7) PINE TREES (12) PALMS
	30 REQ - 19 - 12 CAT 2 TREE SURPLUS = SURPLUS OF 1"		
IV	NO CATEGORY IV TREES REMOVED DURING THIS PROJECT		



SCALE: 1" - 50'-0"

PLAN IS SUBJECT TO CHANGE.

Wood+Partners Inc.
Landscape Architects
Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6618 ■ Fax 843.681.7086 ■ www.woodandpartners.com

Client Info:
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33 Broad Creek Marina Way
HHI, SC 29926

NOT FOR CONSTRUCTION - FOR PERMIT ONLY

BROAD CREEK MARINA GO-KART TRACK

33 BROAD CREEK MARINA WAY
HILTON HEAD ISLAND, SC 29928

PROFESSIONAL SEAL:

DRAWN BY:
JS
CHECKED BY:
EW

#	REVISION	DATE	BY

DATE
12-31-2019
PROJECT NUMBER
01-19042
SHEET TITLE
Overall Planting Plan

SHEET NUMBER
L-400

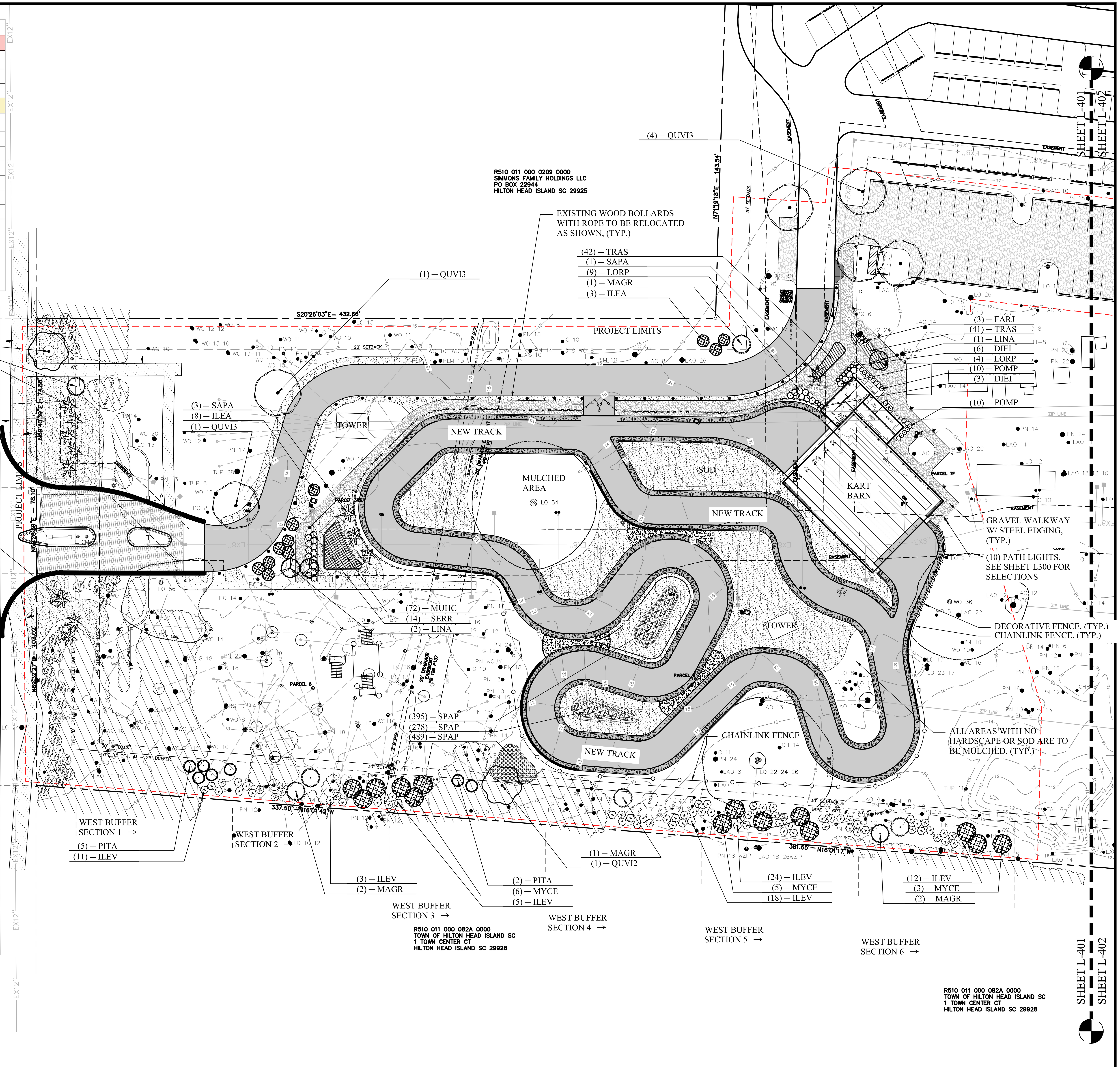
BUFFER SUMMARY

NORTHERN BUFFER - MARSHLAND ROAD* (±243 L.F., 25' WIDE)							
BUFFER SECTION	BUFFER TYPE	OVERSTORY REQUIRED	OVERSTORY PROVIDED	UNDERSTORY REQUIRED	UNDERSTORY PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
SECTION 1 (108'):	B - OPT.1	3	3 (2) Existing	6	6	11	11
SECTION 2 (135'):	B - OPT.1	4	5 Existing	8	8 (5) Existing	14	20+ Existing
WESTERN BUFFER (±600 L.F., 25' WIDE) - SHOWN EXTENDING TO LIMITS OF PROPOSED WORK							
BUFFER SECTION	BUFFER TYPE	OVERSTORY REQUIRED	OVERSTORY PROVIDED	UNDERSTORY REQUIRED	UNDERSTORY PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
SECTION 1 (100'):	C - OPT.1	3	4 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 2 (100'):	C - OPT.1	3	9 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 3 (100'):	C - OPT.1	3	3 (2 Existing)	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 4 (100'):	C - OPT.1	3	10 Existing	5	5 (4 Existing)	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 5 (100'):	C - OPT.1	3	4 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 6 (100'):	C - OPT.1	3	9 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING

BUFFER NOTES:
* Northern Buffer Excludes unplantable drive aisle in Buffer Calculations

** Seeking to Maintain Sections # / # of Western Buffer Undisturbed as Dense Native Woodlands. Additional native evergreen plant material may be added to enhance buffer if certain sections no longer meet the intent of a Type 'C' Buffer.

*** Counting Proposed Red Cedars, Pine Trees, Palm Trees, Hollies, and SweetBays as Understory Trees.



PLANT SCHEDULE

CATEGORY I	**COMMON NAME**
ILEA	Eagleston Holly
MAGR	Dwarf Southern Magnolia
QUVI2	Southern Live Oak
QUVI3	Southern Live Oak
CATEGORY II	**COMMON NAME**
MYCE	Southern Bayberry
CATEGORY III	**COMMON NAME**
PITA	Loblolly Pine
SAPA	Cabbage Palmetto
CATEGORY IV	**COMMON NAME**
LINA	Natchez Crape Myrtle
SHRUBS	**COMMON NAME**
DIEI	Fortnight Lily
FARJ	Giant Leopard Plant
ILEV	Pride of Houston Yaupon
POMP	Dwarf Podocarpus
SERR	Saw Palmetto
LORP	Loropetalum
GROUND COVERS	**COMMON NAME**
MUHC	Pink Muhly Grass
SPAP	Salt Meadow Cord Grass
TRAS	Asiatic Jasmine
SOD/SEED	**COMMON NAME**
ZOZE	Empire Zoysia

0' 15' 30' 60' 90' 120'

SCALE: 1" - 30'-0"

PLAN IS SUBJECT TO CHANGE.

Wood+Partners Inc.
Landscape Architects
Land Planners

Client Info:

Broad Creek Marina, LLC
33 Broad Creek Marina Way
HHI, SC 29926

NOT FOR CONSTRUCTION - FOR PERMIT ONLY

BROAD CREEK MARINA GO-KART TRACK

33 BROAD CREEK MARINA WAY
HILTON HEAD ISLAND, SC 29928

PROFESSIONAL SEAL:

DRAWN BY: JS
CHECKED BY: EW

#	REVISION	DATE	BY

DATE
12-31-2019
PROJECT NUMBER
01-19042
SHEET TITLE
Planting Plan

SHEET NUMBER
L-401

BUFFER SUMMARY

NORTHERN BUFFER - MARSHLAND ROAD* (±243 L.F., 25' WIDE)							
BUFFER SECTION	BUFFER TYPE	OVERSTORY REQUIRED	OVERSTORY PROVIDED	UNDERSTORY REQUIRED	UNDERSTORY PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
SECTION 1 (108'):	B - OPT.1	3	3 (2) Existing	6	6	11	11
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WESTERN BUFFER (±600 L.F., 25' WIDE) - SHOWN EXTENDING TO LIMITS OF PROPOSED WORK							
BUFFER SECTION	BUFFER TYPE	OVERSTORY REQUIRED	OVERSTORY PROVIDED	UNDERSTORY REQUIRED	UNDERSTORY PROVIDED	SHRUBS REQUIRED	SHRUBS PROVIDED
SECTION 1 (100'):	C - OPT.1	3	4 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 2 (100'):	C - OPT.1	3	9 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 3 (100'):	C - OPT.1	3	3 (2 Existing)	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 4 (100'):	C - OPT.1	3	10 Existing	5	5 (4 Existing)	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 5 (100'):	C - OPT.1	3	4 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING
SECTION 6 (100'):	C - OPT.1	3	9 Existing	5	5	SOLID 3' HT. FENCE OR EVERGREEN HEDGE	CONTINUOUS EVER-GREEN SCREENING

BUFFER NOTES:
* Northern Buffer Excludes unplantable drive aisle in Buffer Calculations

** Seeking to Maintain Sections # / # of Western Buffer Undisturbed as Dense Native Woodlands. Additional native evergreen plant material may be added to enhance buffer if certain sections no longer meet the intent of a Type 'C' Buffer.

*** Counting Proposed Red Cedars, Pine Trees, Palm Trees, Hollies, and SweetBays as Understory Trees.

PLANT SCHEDULE

CATEGORY I	COMMON NAME
ILEA	Eagleston Holly
MAGR	Dwarf Southern Magnolia
QUVI2	Southern Live Oak
QUVI3	Southern Live Oak
CATEGORY II	**COMMON NAME**
MYCE	Southern Bayberry
CATEGORY III	**COMMON NAME**
PITA	Loblolly Pine
SAPA	Cabbage Palmetto
CATEGORY IV	**COMMON NAME**
LINA	Natchez Crape Myrtle
SHRUBS	**COMMON NAME**
DIEI	Fortnight Lily
FARJ	Giant Leopard Plant
ILEV	Pride of Houston Yaupon
POMP	Dwarf Podocarpus
SERR	Saw Palmetto
LORP	Loropetalum
GROUND COVERS	**COMMON NAME**
MUHC	Pink Muhly Grass
SPAP	Salt Meadow Cord Grass
TRAS	Asiatic Jasmine
SOD/SEED	**COMMON NAME**
ZOZE	Empire Zoysia

0' 15' 30' 60' 90' 120'

SCALE: 1" - 30'-0"

PLAN IS SUBJECT TO CHANGE.

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HHI, SC 29926

NOT FOR CONSTRUCTION - FOR PERMIT ONLY

BROAD CREEK MARINA GO-KART TRACK

33 BROAD CREEK MARINA WAY
HILTON HEAD ISLAND, SC 29928

PROFESSIONAL SEAL:

DRAWN BY:
JS
CHECKED BY:
EW

#	REVISION	DATE	BY

DATE
12-31-2019
PROJECT NUMBER
01-19042
SHEET TITLE
Planting Plan

SHEET NUMBER
L-402

PLANT SCHEDULE

CATEGORY I	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	HEIGHT	SPREAD	SPACING	REMARKS
ILEA	11	Ilex attenuata `Eagleston`	Eagleston Holly	Cont. or FG	2" Cal. Min.		10` Min.	4-5`		Full to The ground
MAGR	7	Magnolia grandiflora `Little Gem`	Dwarf Southern Magnolia	Cont. or FG	2"Cal		10` Min.	4-5`		Full To The Ground
QUVI2	2	Quercus virginiana	Southern Live Oak	Cont. or FG	2" Cal. Min.		10` Min.			
QUVI3	10	Quercus virginiana	Southern Live Oak	Cont. or FG	3"Cal		14`			
CATEGORY II	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**HEIGHT**	**SPREAD**		**REMARKS**
MYCE	14	Myrica cerifera	Southern Bayberry	Cont. or FG	2" Cal. Min.		10` Min.			
CATEGORY III	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**HEIGHT**	**SPREAD**		**REMARKS**
PITA	7	Pinus taeda	Loblolly Pine	Cont. or FG	1" Cal. Min.		6` Min.			
SAPA	12	Sabal palmetto	Cabbage Palmetto	B & B			12`			
CATEGORY IV	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**	**SIZE**	**HEIGHT**	**SPREAD**		**REMARKS**
LINA	3	Lagerstroemia indica "Natchez"	Natchez Crape Myrtle	Cont. or FG	1" Cal. Min.		6` Min.			
SHRUBS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**HEIGHT**	**SPREAD**				**REMARKS**
DIEI	9	Dietes iridioides	Fortnight Lily	3 gal	10"-12"					
FARJ	3	Farfugium japonicum `Giganteum`	Giant Leopard Plant	7 gal	24"-30"					
ILEV	73	Ilex vomitoria `Pride of Houston`	Pride of Houston Yaupon	7 gal	36"	24"-36"				Form Continuous Hedge
POMP	20	Podocarpus macrophyllus `Pringles`	Dwarf Podocarpus	7 gal	12"-18"	12"-18"				
SERR	14	Serenoa repens	Saw Palmetto	7 gal	24"-36"	24"-36"				Full & Vigorous
LORP	13	Loropetalum chinense 'Purple Diamond'	Loropetalum	7 gal	24"-36"	24"-36"				
GROUND COVERS	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**HEIGHT**	**SPREAD**			**SPACING**	**REMARKS**
MUHC	72	Muhlenbergia capillaris	Pink Muhly Grass	1 Gal.	12-18"	18-24"			30" o.c.	Planted to Form Continuous Mass
SPAP	1,175	Spartina patens	Salt Meadow Cord Grass	flat	6" - 8"	6"-8"			12" o.c.	Planted to Form Dense Mat, Lightly Mulch
TRAS	83	Trachelospermum asiaticum `Asiatic`	Asiatic Jasmine	1 Gal.		8-12"			24" o.c.	
SOD/SEED	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**HEIGHT**	**SPREAD**			**SPACING**	**REMARKS**
ZOZE	±21,000 sf	Zoysia x `Empire`	Empire Zoysia	SOD						Confirm Final Quantity in the Field - Some Areas May be Patched or Seeded

TREE	DIAMETER (INCHES)																	COUNT	DBH
	8	10	11	12	13	14	15	16	18	19	20	22	23	24	30	34	43		
CHERRY								1										1	16
GUM	2	2	1	1	1	1		1										9	102
LAUREL OAK	2	3		1											1			7	88
LIVE OAK				1										1		1	1	4	113
PIN OAK	1	2		2		4	1											10	123
PINE	3	3		3		6				1	3	1	1					21	298
WATER OAK	1	1				2			1									5	64
COUNT	9	11	1	8	1	13	1	2	1	1	3	1	1	1	1	1	1	57	
DBH	72	110	11	96	13	182	15	32	18	19	60	22	23	24	30	34	43		804

NOTES:
1. DBH = DIAMETER AT BREAST HEIGHT.
2. ONLY TREES WITH DBH OF 8" OR GREATER WERE INCLUDED IN THE PROPOSED REMOVAL TALLY.
3. LIVE OAK 34" & LIVE OAK 43" WERE IDENTIFIED AS DEAD AND DECAYING, RESPECTIVELY, AND WERE EXCLUDED FROM THE REQUIRED TREE REPLACEMENT COUNT.
4. CHERRY 16" IDENTIFIED AS CHERRY 6" 16".
5. LAUREL OAK 8" 10" IDENTIFIED ON SURVEY SPLIT BETWEEN LAUREL OAK 8" AND LAUREL OAK 10".

[16-6-104.I]	CALIPER INCH PER CATEGORY				
1 TREE PER 10 TREE INCHES REMOVED	I	II	III	IV	TOTAL
TREE INCHES REMOVED PER CATEGORY	124	305	298	-	727
REQUIRED REPLACEMENT TREES	12	31	30	-	72

TREE REPLACEMENT SUMMARY (TOTAL)

TREE REPLACEMENT 1 PER 10" REMOVED
FOR EACH CATEGORY. SEE CHART FOR BREAKDOWN.

CAT.	INCHES REMOVED	#REPLACEMENT INCHES REQ.	#REPLACEMENT INCHES PROVIDED
I	124"	24" REQUIRED (2" x 12 TREES)	[70"] (11) 2" A. Holly (7) 2" Magnolia (2) 2" Live Oaks (10) 3" Live Oaks
	24 REQ - 70 = 46 CAT 1 TREE SURPLUS SURPLUS TO BE APPLIED TO CAT 2		
II	305"	62" REQUIRED (2" x 31 TREES)	[28"] (14) 2" Myrtles
	62 REQ - 28 - 46(CAT I) = 12" CAT 2 TREE SURPLUS SURPLUS TO BE APPLIED TO CAT 3		
III	298"	30" REQUIRED (1" x 30 TREES)	[19"] (7) PINE TREES (12) PALMS
	30 REQ - 19 - 12 CAT 2 TREE SURPLUS = SURPLUS OF 1"		
IV	NO CATEGORY IV TREES REMOVED DURING THIS PROJECT		

LANDSCAPE NOTES:

1. The landscape architect shall approve all plant substitutions prior to purchase or installation.
2. The plant schedule included in this drawing was prepared for estimating purposes & for the contractors convenience only, and its accuracy ins not guaranteed. The contractor shall perform his or her own quantity take-offs using the drawings to determine the quantities to his or her satisfaction. The contractor shall report any discrepancies to the landscape architect prior to submitting a final bid.
3. Contractor shall warranty all exterior plants for one year from the date of substantial completion, against defects including but not limited to death and unsatisfactory growth. Defects associated with a lack of adequate maintenance, neglect, or abuse by the owner or incidents that are beyond contractor's control will not be covered by the one-year warranty.
4. The contractor shall verify that all selected plant species are determined available at their specified sizes when the time of bidding. The contractor shall not make plant substitutions. If there are difficulties locating plant material as specified, contact the landscape architect prior to submitting the bid.
5. All plant material shall have a well formed head with the minimum caliper, height, spread as shown in the plant schedule. trunks shall be undamaged and shape shall be typical of the species.
6. All plant material shall be subject to approval by the landscape architect or owners representative before, during and after installation.
7. All planting techniques shall conform to approved industry standards.
8. The contractor shall coordinate with the owner's representative to establish a planting schedule that prioritizes the planting of all trees and lawn areas.
9. All plant beds shall be mulched with double ground hardwood mulch to a depth of 4".
10. All plant beds shall receive a weed inhibitor application at installation.
11. All landscape material shall be correctly laid out and installed per the plans. The contractor is responsible by any means (survey, staking, etc.) to insure the correct plant layout and may seek the landscape architects approval for landscape material layouts prior to installation. The contractor shall coordinate with the landscape architect for these approvals and shall have all required plant material placed in their proposed locations prior to the landscape architects on-site approval. All plant material placement is subject to re-placement and layout per the landscape architects discretion if the layout does not follow the plans.
12. The landscape contractor shall leave all plant identification hangtag's on each plant until final approval has been granted per the Landscape Architects final punch / field report. Once the final approval is obtained, the hangtag's may be removed.

IRRIGATION NOTES:

1. Contractor to supply automatic irrigation system, complete and installed. System shall include all valves, pipes, heads, fittings, back-flow, & controllers. The installed system shall provide 100% coverage of all sod, hydro-seed, planting bed, and trees

GRADING NOTES:

1. Contractor to perform fine grading within all turf and plant beds. Fine grading shall consist of a hand raked, smooth soil free of rocks, roots, and debris.

GENERAL NOTES:

1. Contractor is responsible for locating existing utilities and is responsible for any damage that may occur to existing utilities.
2. Contractor is responsible for inspection of existing conditions and promptly reporting any discrepancies. Contractor to perform soil tests as specified.
3. Notify landscape architect of any site conditions which may necessitate a modification to the plans. Landscape architect shall, if necessary, make "in-field modifications".
4. Any deviation from these plans must be specifically approved by the landscape architect or owner's representative.

Wood+Partners Inc.
Landscape Architects
Land Planners
PO Box 23949 ■ Hilton Head Island, SC 29925
843.681.6618 ■ Fax 843.681.7086 ■ www.woodandpartners.com

Client Info:
Broad Creek Marina, LLC
33 Broad Creek Marina Way
HHI, SC 29926

NOT FOR CONSTRUCTION - FOR PERMIT ONLY

BROAD CREEK MARINA
GO-KART TRACK
33 BROAD CREEK MARINA WAY
HILTON HEAD ISLAND, SC 29928

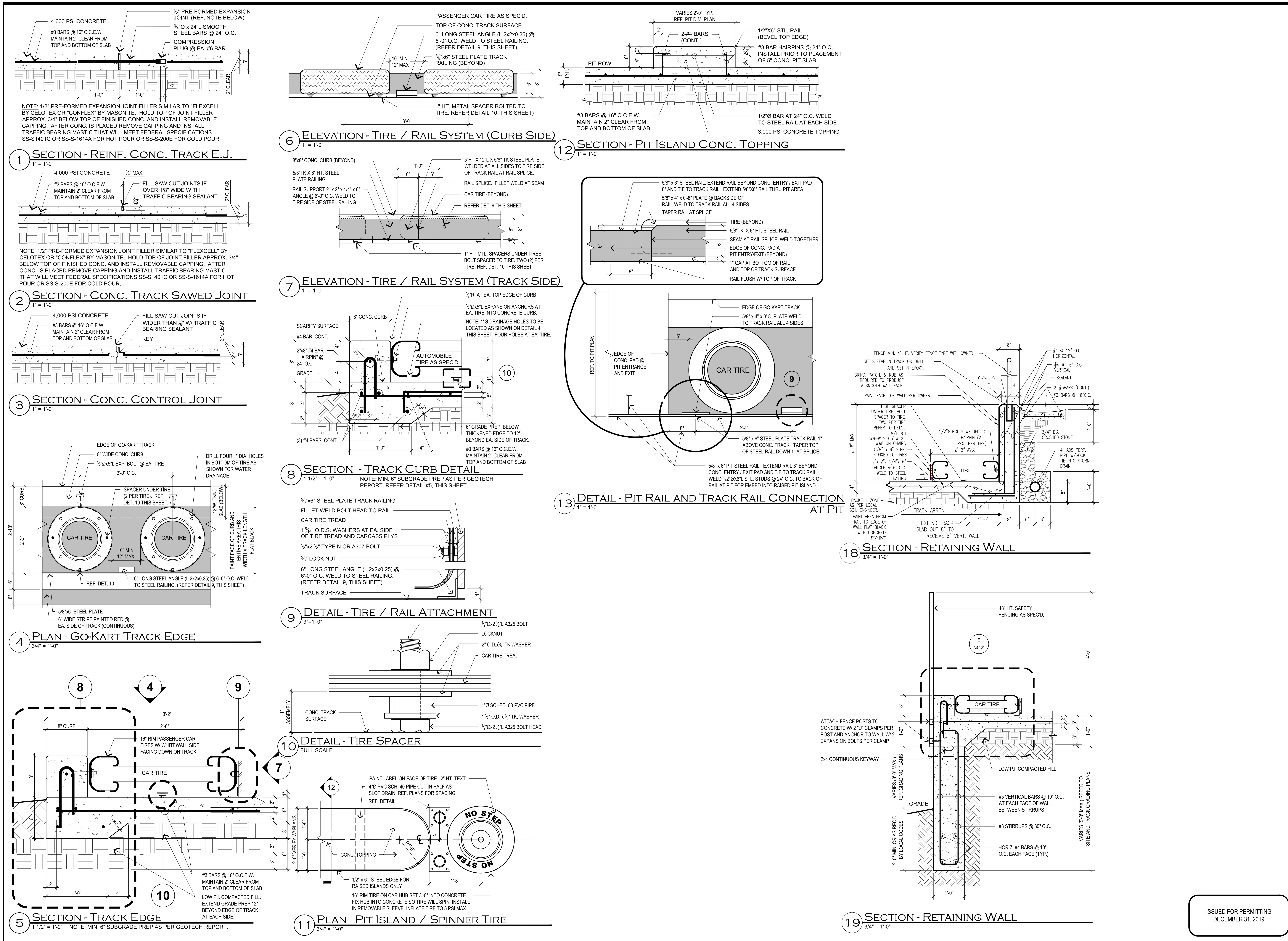
PROFESSIONAL SEAL:

DRAWN BY:
JS
CHECKED BY:
EW

#	REVISION	DATE	BY

DATE
12-31-2019
PROJECT NUMBER
01-19042
SHEET TITLE
Planting Details & Notes

SHEET NUMBER
L-403



REVISION DATES
1.
2.
3.
4.
5.
6.

CONSULTANTS

DAVIS & DAVIS INC.
RECREATIONAL PLANNING CONSULTANTS
1805-A West Park Row Drive Arlington, Texas 76013-3584 USA
Phone (817) 274-3871 FAX (817) 274-3875
Web: www.ddirpc.com E-Mail: info@ddirpc.com

HILTON HEAD GO-KARTS AT BROAD CREEK MARINA VILLAGE

33 BROAD CREEK MARINA WAY & 18 SIMMONS ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA

SHEET DESCRIPTION

GO-KART TRACK DETAILS

DATE:	DECEMBER 31, 2019
DESIGN BY:	KCD
DRAWN:	DMK
CHECKED:	KCD
JOB NO:	----

SHEET NUMBER

AS-104

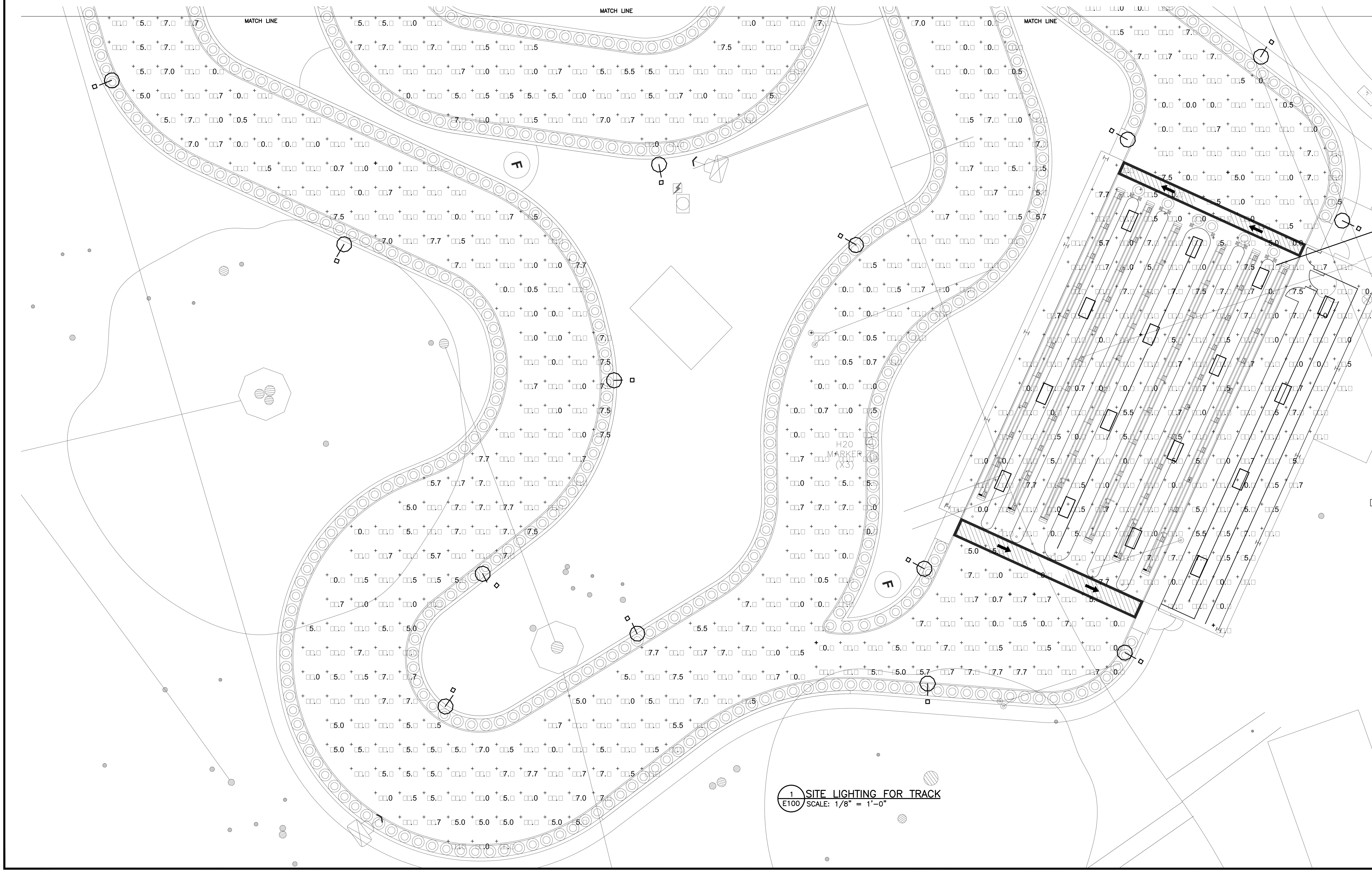
SHEET: _-_ OF _-_ SHEETS

LUMINAIRE SCHEDULE

Sym□ol	La□el	□ty	Catalog Num□er	Des□ription	File	Lumens	LLF	Watts
	A	□□	GLEON-AF-□0-LED-E□-T□	GALLEON AREA AND ROADWAY LUMINAIRE □0□70 CRI, □000K, □050mA LIGHTS□UARES WITH □□ LEDS EACH AND TYPE III OPTICS Retail, Road□ay, Side□al□, Site, Street, Su□station, Se□urity, Corrosion Resistant, Vandal Resistant, Wet Lo□ation ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF □□.75 FEET	GLEON-AF-□0-LED-E□-T□.ies	□0□05	0.□0	55□
	B	□□	OHB-□5SE-MCL-UNV-L□□0-CD-U	OPTIMIZED HIGH BAY □5000 LUMEN SE LUMINAIRE WITH □0 CRI AND □000 CCT LEDS AND CLEAR LENS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF □□.75 FEET	OHB-□5SE-MCL-UNV-L□□0-CD-U.ies	□□□□□	0.□0	□7.□

STATISTICS

Des□ription	Sym□ol	Avg	Ma□	Min	Ma□□Min	Avg□Min
KART BARN	+	□□.0 f□	□□.□ f□	□□.□ f□	□.□□□	□.0□□
TRACK	+	□5.□ f□	□□.0 f□	□0.0 f□	□.□□□	□.5□□
TRACK ENTRANCE	+	□□.5 f□	□5.0 f□	□5.□ f□	□.□□□	□.7□□
TRACK E□IT	+	□□.□ f□	□□.7 f□	□0.□ f□	□.□□□	□.□□□



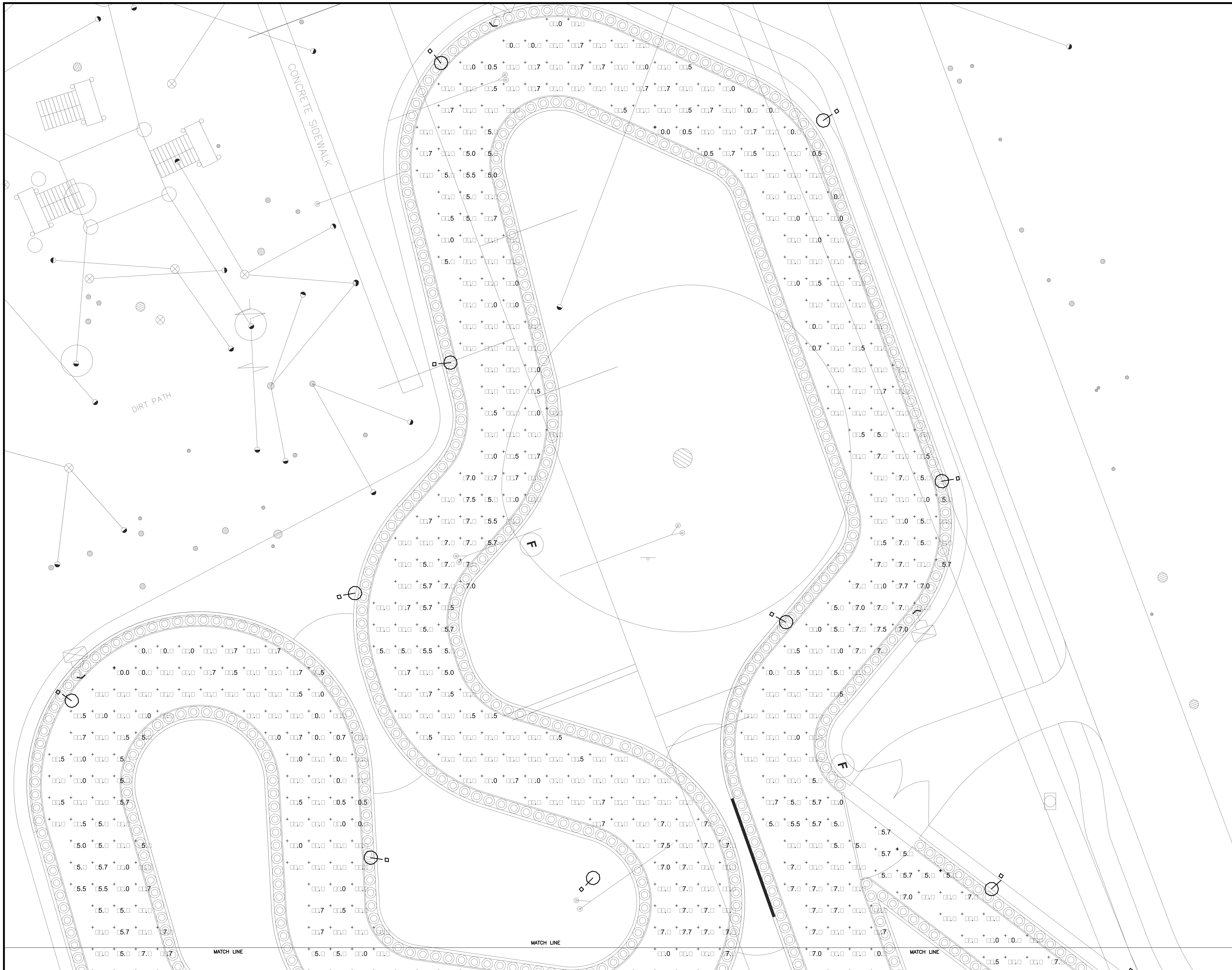
1 E100 SITE LIGHTING FOR TRACK
SCALE: 1/8" = 1'-0"

CDDC
CONSULT
DESIGN
DRAFT
CONSTRUCT
P.O. BOX 2869 BLUFFTON, S.C. 29910
ph. 843-384-4731 fx. 843-837-3577

BROAD CREEK MARINA
GO-KART TRACK
□□ BROAD CREEK MARINA WAY

HILTON HEAD ISLAND,
SOUTH CAROLINA □□□□□

Revisions	
□□□	
□□□	
□□□	
□□□	
□□□	
Submittal	ISSUE
Drawn By	RMY
Checked By	RMY
Date	□□□□0□□0□□
Scale	AS SHOWN
Project Number	□□□□-MS-E□
Sheet	E100



1 E101 CONT. SITE LIGHTING FOR TRACK
SCALE: 1/8" = 1'-0"

CDDC
CONSULT
DESIGN
DRAFT
CONSTRUCT
P.O. BOX 2869 BLUFFTON, S.C. 29910
ph. 843-384-4731 fx. 843-837-3577

BROAD CREEK MARINA
GO-KART TRACK
BROAD CREEK MARINA WAY
HILTON HEAD ISLAND,
SOUTH CAROLINA

Revisions	
Submittal	ISSUE
Drawn By	RMY
Checked By	RMY
Date	
Scale	AS SHOWN
Project Number	-MS-E
Sheet	E101

McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.

GLEON
GALLEON LED

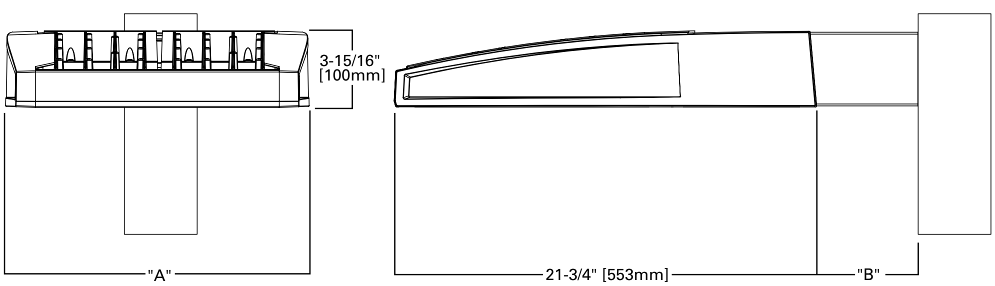
1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

LumenSafe Technology
CLICK HERE

WaveLinx

DIMENSIONS



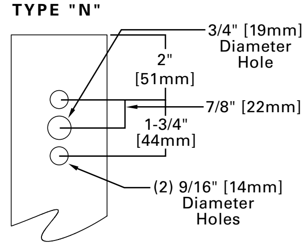
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length [1]	Weight with Arm (lbs.)	EPA with Arm [2] (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. **2.** EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



CERTIFICATION DATA

3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family [1, 2]	Light Engine	Number of Light Squares [3]	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	**AF**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **05**=5 [4] **06**=6 **07**=7 [5] **08**=8 [5] **09**=9 [6] **10**=10 [6]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [7] **480**=480V [7,8]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12]

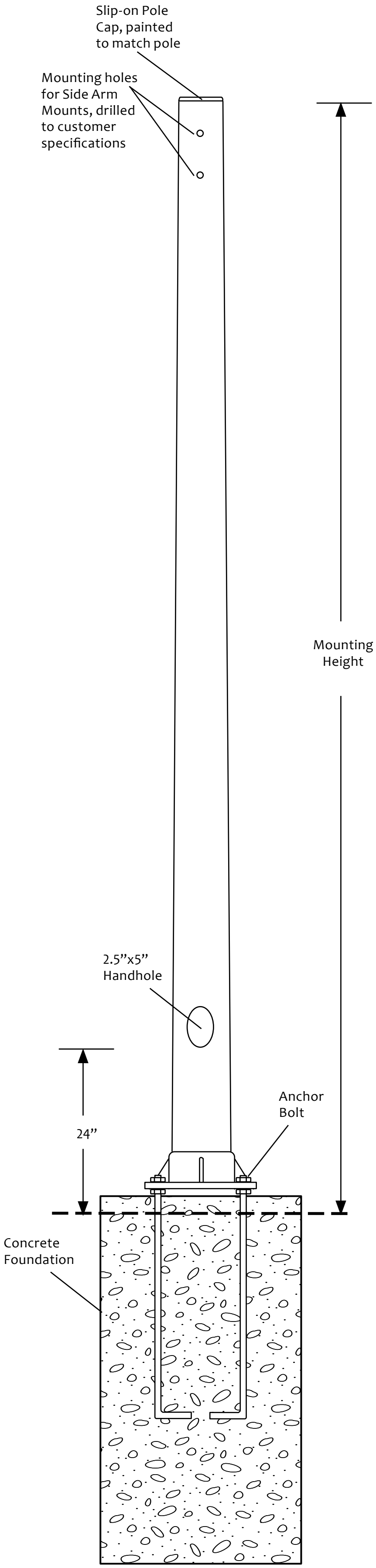
Options (Add as Suffix)		**Accessories** (Order Separately)
7027=70 CRI 2700K [13] **7030**=70 CRI 3000K [13] **8030**=80 CRI 3000K [13] **7050**=70 CRI 5000K [13] **7060**=70 CRI 6000K [13] **600**=Drive Current Set to Nominal 600mA [15] **800**=Drive Current Set to Nominal 800mA [15] **1200**=Drive Current Set to Nominal 1200mA [15, 16] **F**=Single Fuse (120, 277 or 347V. Specify Voltage) **FF**=Double Fuse (208, 240 or 480V. Specify Voltage) **2L**=Two Circuits [17, 18] **DIM**=External 0-10V Dimming Leads [19, 20] **DIM10**=Synapse Integrated Control Module [14, 19] **AHD145**=After Hours Dim, 5 Hours [22] **AHD245**=After Hours Dim, 6 Hours [22] **AHD255**=After Hours Dim, 7 Hours [22] **AHD355**=After Hours Dim, 8 Hours [22] **HA**=50°C High Ambient [23] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **MT**=Installed MeshTop **TH**=Tool-less Door Hardware **HSS**=Installed House Side Shield [28] **CE**=CE Marking [29] **LCF**=Light Square Trim Painted to Match Housing [27]	**P**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) [21] **PER7**=NEMA 7-PIN Photocontrol Receptacle [21] **R**=NEMA Photocontrol Receptacle [21] **MS-L08**=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [24] **MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [24] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [24] **MS/DIM-L08**= Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [24] **MS/DIM-L20**= Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [24] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [24] **MS/X-L08**=Bi-Level Motion Sensor, Maximum 8' Mounting Height [24, 25] **MS/X-L20**=Bi-Level Motion Sensor, 9' - 20' Mounting Height [24, 25] **MS/X-L40W**=Bi-Level Motion Sensor, 21' - 40' Mounting Height [24, 25] **LWR-LW**=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [26] **LWR-LN**=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [26] **ZW** =WaveLinx-enabled 4-PIN Twistlock Receptacle [19, 33] **ZW-SWPD4XX**=Wavelinx Wireless Sensor, 7' – 15' Mounting Height [19, 33, 34] **ZW-SWPD5XX**=Wavelinx Wireless Sensor, 15' – 40' Mounting Height [19, 33, 34]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [24] **GLEON-MT1**=Field Installed MeshTop for 1-4 Light Squares **GLEON-MT2**=Field Installed MeshTop for 5-6 Light Squares **GLEON-MT3**=Field Installed MeshTop for 7-8 Light Squares **GLEON-MT4**=Field Installed MeshTop for 9-10 Light Squares **GLEON-QM**=Quick Mount Arm Kit [11] **GLEON-QMEA**=Quick Mount Extended Arm Kit [12] **LS/HSS**=Field Installed House Side Shield [28, 30] **WOLC-7P-10A**=WaveLinx Outdoor Control Module [19, 31] **SWPD4-XX**=Wavelinx Wireless Sensor, 7' – 15' Mounting Height [19, 32, 33, 34] **SWPD5-XX**=Wavelinx Wireless Sensor, 15' – 40' Mounting Height [19, 32, 33, 34]

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. **2** DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. **3** Standard 4000K CCT and minimum 70 CRI. **4** Not compatible with MS/4-LXX or MS/1-LXX sensors. **5** Not compatible with extended quick mount arm (QMEA). **6** Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). **7** Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. **8** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **9** May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. **10** Factory installed. **11** Maximum 8 light squares. **12** Maximum 6 light squares. **13** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. **14** Available in 800mA only. **15** 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. **16** Not available with HA option. **17** 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. **18** Not available with LumaWatt Pro wireless sensors. **19** Cannot be used with other control options. **20** Low voltage control lead brought out 18" outside fixture. **21** Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. **22** Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. **23** 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. **24** The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. **25** Replace X with number of Light Squares operating in low output mode. **26** LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. **27** Not available with house side shield (HSS). **28** Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. **29** CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. **30** One required for each Light Square. **31** Requires PER7. **32** Requires ZW. **33** WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. **34** Replace XX with sensor color (WH, BZ, or BK).

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology* LumenSafe Technology CLICK HERE	**D**=Dome Camera, Standard **H**=Dome Camera, Hi-Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility.



CMT Catalog Number	Nominal Mounting Height (ft.)	Shaft Length (ft.)	Weight of Pole (lb.)	Tip O.D. (in.)	Butt O.D. (in.)	Maximum EPA			Bolt Circle (in.)
						80 MPH	100 MPH	120 MPH	
Single Arm, up to 50# Luminaire									
SA10-D-50	10	10	38	4.41	5.89	6.8	4.0	3.5	8.625
SA16-D-50	16	16	71	4.41	7.16	6.8	4.0	3.5	10.500
SA20-D-50	20	20	83	4.41	7.97	6.8	4.0	3.5	10.500
SA25-D-50	25	25	115	4.41	9.10	6.8	4.0	3.5	11.875
SA30-D-50	30	30	145	4.41	10.08	6.8	4.0	3.5	13.500
SA35-D-50	35	35	196	4.41	11.26	6.8	4.0	3.5	15.250
SA40-D-50	40	40	241	4.41	12.20	6.8	4.0	3.5	16.000
SA45-D-50	45	45	313	4.41	14.13	7.0	4.0	3.5	17.000
Double Arm (@ 180°), two Luminaires up to 50# each									
SA16-D-200	16	16	74	4.41	7.87	8.3	5.2	5.2	10.500
SA20-D-200	20	20	100	4.41	8.68	8.3	5.2	5.2	11.875
SA25-D-200	25	25	134	4.41	9.81	8.3	5.2	5.2	13.500
SA30-D-200	30	30	161	4.41	10.79	8.3	5.2	5.2	15.250
SA35-D-200	35	35	261	4.41	12.91	8.3	4.8	4.8	16.000
SA40-D-200	40	40	261	4.41	12.91	8.5	4.6	4.6	17.000
SA45-D-200	45	45	334	4.41	14.13	8.5	4.6	4.6	17.000

For 140 MPH, see High Wind Speed section.

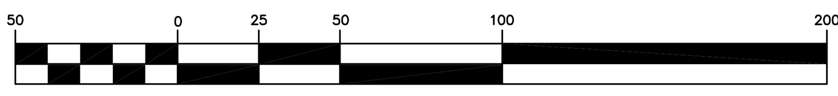
Don't see what you need? Call us. We can build it!

Bolt Circle (in.)	Bolt Size (in.)	Base Cover
8.625	0.5 x 15 x 4	BC1
10.5	0.625 x 21 x 4	BC2
11.875	0.75 x 30 x 4	BC3
13.500	1 x 36 x 4	BC4
15.250	1 x 36 x 4	BC5
16	1 x 36 x 4	BC6
17	1 x 36 x 4	BC7
18	1 x 36 x 4	BC8

Maximum EPA is calculated using wind velocities shown with a 1.3 gust factor. Poles are available with other EPA specifications. Contact factory.
Total weight of fixture(s) and bracket(s) should not exceed vertical load shown above.
Standard features are as shown on drawing. Available optional features are listed in the order grid on Page 2, and in the Accessories pages.
Supply drilling template with order

NAME: X:\MAP19\JOBS\1 911007L-1.DWG

GRAPHIC SCALE

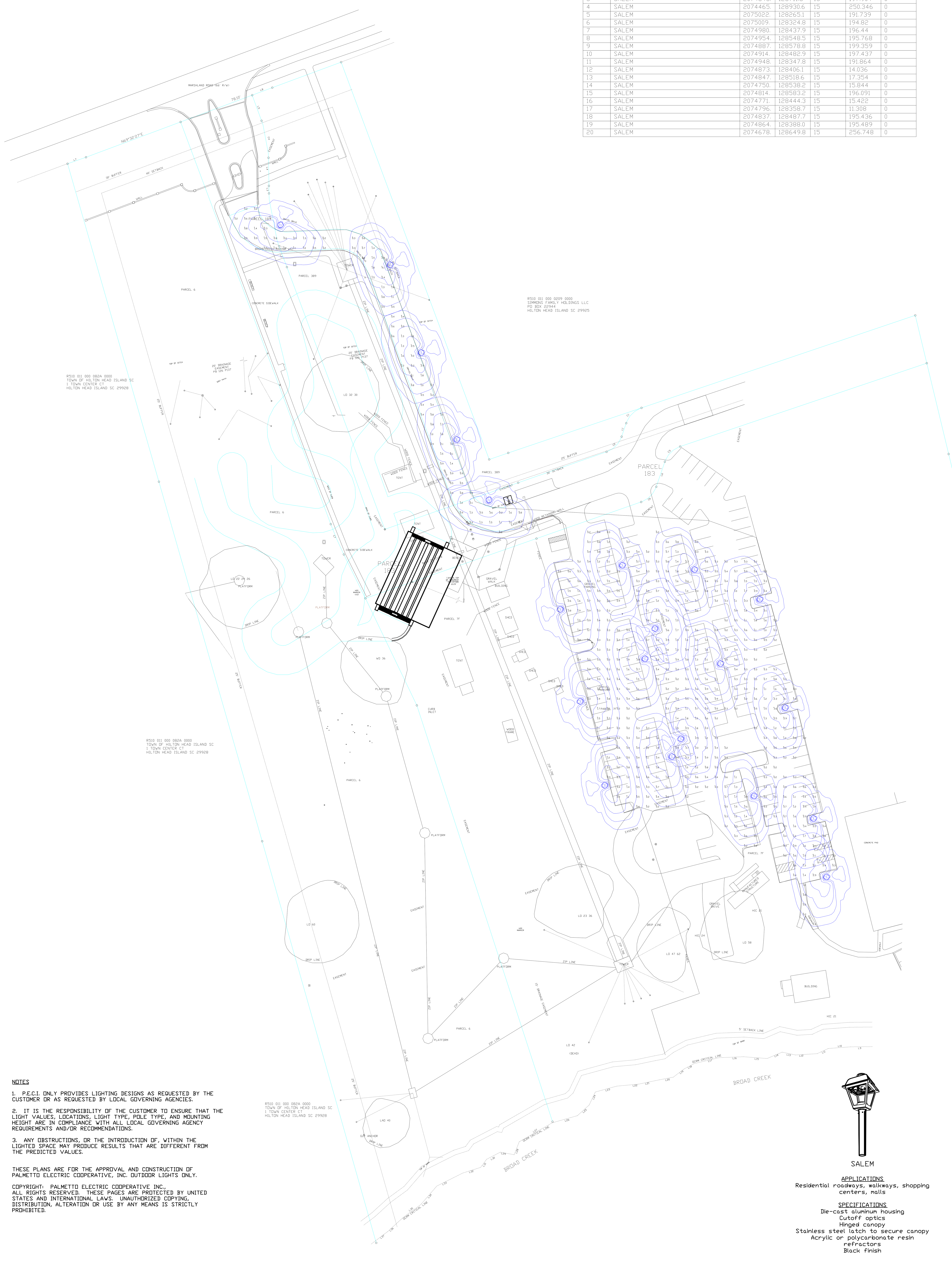


(IN FEET)
1 inch = 50 ft.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
⊙	20	SALEM	SINGLE	N.A.	0.720	100EQ LED ON 19' WOOD POLE, 15' MOUNTING HEIGHT

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	0.98	4.1	0.2	4.90	20.50

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	SALEM	2074577.	128889.9	15	200.323	0
2	SALEM	2074608.	128800.2	15	199.19	0
3	SALEM	2074645.	128711.6	15	197.904	0
4	SALEM	2074465.	128930.6	15	250.346	0
5	SALEM	2075022.	128265.1	15	191.739	0
6	SALEM	2075009.	128324.8	15	194.82	0
7	SALEM	2074980.	128437.9	15	196.44	0
8	SALEM	2074954.	128548.5	15	195.768	0
9	SALEM	2074887.	128578.8	15	199.359	0
10	SALEM	2074914.	128482.9	15	197.437	0
11	SALEM	2074948.	128347.8	15	191.864	0
12	SALEM	2074873.	128406.1	15	14.036	0
13	SALEM	2074847.	128518.6	15	17.354	0
14	SALEM	2074750.	128538.2	15	15.844	0
15	SALEM	2074814.	128583.2	15	196.091	0
16	SALEM	2074771.	128444.3	15	15.422	0
17	SALEM	2074796.	128358.7	15	11.308	0
18	SALEM	2074837.	128487.7	15	195.436	0
19	SALEM	2074864.	128388.0	15	195.489	0
20	SALEM	2074678.	128649.8	15	256.748	0



NOTES

1. P.E.C.I. ONLY PROVIDES LIGHTING DESIGNS AS REQUESTED BY THE CUSTOMER OR AS REQUESTED BY LOCAL GOVERNING AGENCIES.

2. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO ENSURE THAT THE LIGHT VALUES, LOCATIONS, LIGHT TYPE, POLE TYPE, AND MOUNTING HEIGHT ARE IN COMPLIANCE WITH ALL LOCAL GOVERNING AGENCY REQUIREMENTS AND/OR RECOMMENDATIONS.

3. ANY OBSTRUCTIONS, OR THE INTRODUCTION OF, WITHIN THE LIGHTED SPACE MAY PRODUCE RESULTS THAT ARE DIFFERENT FROM THE PREDICTED VALUES.

THESE PLANS ARE FOR THE APPROVAL AND CONSTRUCTION OF PALMETTO ELECTRIC COOPERATIVE, INC. OUTDOOR LIGHTS ONLY.

SALEM

APPLICATIONS
Residential roadways, walkways, shopping centers, malls

SPECIFICATIONS
Die-cast aluminum housing
Cutoff optics
Hinged canopy
Stainless steel latch to secure canopy
Acrylic or polycarbonate resin refractors
Black finish

LIGHTING PROPOSAL FOR
BROAD CREEK GO-CARTS
MARSHLAND ROAD
HILTON HEAD ISLAND
BEAUFORT COUNTY, SOUTH CAROLINA

DESIGNED BY: ML
CHECKED BY: ENG
DRAWN BY: RBT
DATE: 12/19/19
SCALE : 1" = 50'
PROJECT NO. : 1911007L-1
MAP NO: 00000000
SHEET NO. 1 OF 1

REMARKS:

A Touchstone Energy℠ Partner

PALMETTO ELECTRIC COOPERATIVE, INC.
1 COOPERATIVE WAY
HARDEEVILLE, SOUTH CAROLINA 29927
(843) 208-5551 / FAX (843) 208-5532

DESIGN TEAM/DRB COMMENT SHEET

The comments below are staff recommendations to the Design Review Board (DRB) and do NOT constitute DRB approval or denial.

PROJECT NAME: HHI Go Kart | DRB#: DRB-002663-2019

DATE: 01/07/2020

RECOMMENDATION: Approval ☐ Approval with Conditions ☐ Denial ☒

RECOMMENDED CONDITIONS:

LANDSCAPE DESIGN

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Treats the Landscape as a major element of the project	☐	☒	☐	The landscape is not in proportion to the development.
Provides Landscaping of a scope and size that is in proportion to the scale of the development	☐	☒	☐	The landscape is minimal and does not relate to the existing wooded environment.
Preserves a variety of existing native trees and shrubs	☐	☒	☐	Indicate on the planting plans areas of existing understory vegetation that is to remain. The Design Guide on page 6 says, "Two of the most important site features that need to be identified are existing vegetation including understory and significant trees."
Provides for a harmonious setting for the site's structures, parking areas or other construction	☐	☒	☐	The location of plants do not take into account the natural environment: 1. there is a double staggered row of palms along Marshland in the middle of a lawn, 2. the is a double staggered row of saw palmettos along the detention basin, 3. provide a planting strip at the fence between the cart track and the gravel sidewalk.
Provides overall order and continuity of the Landscape plan	☐	☒	☐	There are significant trees and wooded area on this site. The landscape plan does not meet the intent of the Design Guide (page 18)., "Landscaping, planting

				of new vegetation, is to be used to supplement the existing vegetation". The layout and species selection of the planting contrast (not supplement) the existing vegetation on the site.
Proposed groundcovers are evergreen species with low maintenance needs	☐	☒	☐	Replace the Asiatic Jasmine in areas of sun and or where it may receive foot traffic.
Large grassed lawn areas encompassing a major portion of the site are avoided	☐	☒	☐	Reduce and or eliminate the amount of sod.
The adjacent development is taken into account in determining the most appropriate buffer so as not to depart too dramatically from the neighborhood	☐	☒	☐	1. On this site the use of palms and Little Gem Magnolia (a dwarf cultivar) does not meet the Design Guide (page 19) intent, "Preserving the tree canopy". These should be replace with large canopy tree species already present on this site.

NATURAL RESOURCE PROTECTION

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
An effort has been made to preserve existing trees and under story plants	☐	☒	☐	1. The tree protection fence does not protect enough of the root zone. 2. A tree protection program (pre and post constructions fertilization, root stimulant, mycorrhizae treatment and mulching) by an arborist referenced in the Conceptual comments is not specified. 3. Grading is shown within the drip line of specimen trees.

MISC COMMENTS/QUESTIONS

1. Track lighting must be 3000K or less. It is not clear where 3000K is specified on the plans.
2. The track lighting is too bright. Areas exterior to the barn should not exceed 20 foot candles max. and 12 foot candles average. This is a recreational and or social venue not a competitive venue.
3. The mounting height of the track lighting is unclear.
4. The sidewalks should expand the arcs and reduce the tangents where possible for a more natural feel.
5. How does pedestrian circulation around the existing tents work. It should tie into the proposed circulation.

Town of Hilton Head Island

Community Development Department
One Town Center Court
Hilton Head Island, SC 29928
Phone: 843-341-4757 Fax: 843-842-8908
www.hiltonheadislandsc.gov

FOR OFFICIAL USE ONLY
Date Received: ________
Accepted by: ________
DRB #: ________
Meeting Date: ________

Applicant/Agent Name: Jacob Phares
Company: Harris Teeter Properties, LLC
Mailing Address: 701 Crestdale Road
City: Matthews State: NC Zip: 28205
Telephone: 704-844-3100 Fax: ________
E-mail: jphares@harristeeter.com

Project Name: Harris Teeter Fuel #423 - Sea Pines
Project Address: 31 Office Park Road, Hilton Head Island
Parcel Number [PIN]: R 5 5 2 0 1 4 0 0 0 0 9 3 3 0 0 0 0
Zoning District: Sea Pines Commercial
Overlay District(s): ________

CORRIDOR REVIEW, MAJOR
DESIGN REVIEW BOARD (DRB) SUBMITTAL REQUIREMENTS

Digital Submissions may be accepted via e-mail by calling 843-341-4757.

Project Category:

X Concept Approval – Proposed Development
___ Final Approval – Proposed Development
___ Alteration/Addition
___ Sign

Submittal Requirements for *All* projects:

X Private Architectural Review Board (ARB) Notice of Action (if applicable): When a project is within the jurisdiction of an ARB, the applicant shall submit such ARB's written notice of action per LMO Section 16-2-103.I.4.b.iii.01. Submitting an application to the ARB to meet this requirement is the responsibility of the applicant.

X Filing Fee: Concept Approval-Proposed Development $175, Final Approval – Proposed Development $175, Alterations/Additions $100, Signs $25; cash or check made payable to the Town of Hilton Head Island.

Additional Submittal Requirements:

Concept Approval – Proposed Development

X A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.
X A site analysis study to include specimen trees, access, significant topography, wetlands, buffers, setbacks, views, orientation and other site features that may influence design.
X A draft written narrative describing the design intent of the project, its goals and objectives and how it reflects the site analysis results.
X Context photographs of neighboring uses and architectural styles.
X Conceptual site plan (to scale) showing proposed location of new structures, parking areas and landscaping.
X Conceptual sketches of primary exterior elevations showing architectural character of the proposed development, materials, colors, shadow lines and landscaping.

Additional Submittal Requirements:

Final Approval – Proposed Development

_____ A final written narrative describing how the project conforms with the conceptual approval and design review guidelines of Sec. 16-3-106.F.3.

_____ Final site development plan meeting the requirements of Appendix D: D-6.F.

_____ Final site lighting and landscaping plans meeting the requirements of Appendix D: D-6.H and D-6.I.

_____ Final floor plans and elevation drawings (1/8"=1'-0" minimum scale) showing exterior building materials and colors with architectural sections and details to adequately describe the project.

_____ A color board (11"x17" maximum) containing actual color samples of all exterior finishes, keyed to the elevations, and indicating the manufacturer's name and color designation.

_____ Any additional information requested by the Design Review Board at the time of concept approval, such as scale model or color renderings, that the Board finds necessary in order to act on a final application.

Additional Submittal Requirements:

Alterations/Additions

_____ All of the materials required for final approval of proposed development as listed above, plus the following additional materials.

_____ A survey (1"=30' minimum scale) of property lines, existing topography and the location of trees meeting the tree protection regulations of Sec. 16-6-104.C.2, and if applicable, location of bordering streets, marshes and beaches.

_____ Photographs of existing structure.

Additional Submittal Requirements:

Signs

_____ Accurate color rendering of sign showing dimensions, type of lettering, materials and actual color samples.

For freestanding signs:

_____ Site plan (1"=30' minimum scale) showing location of sign in relation to buildings, parking, existing signs, and property lines.

_____ Proposed landscaping plan.

For wall signs:

_____ Photograph or drawing of the building depicting the proposed location of the sign.

_____ Location, fixture type, and wattage of any proposed lighting.

Note: All application items must be received by the deadline date in order to be reviewed by the DRB per LMO Appendix D: D-23.

A representative for each agenda item is strongly encouraged to attend the meeting.

Are there recorded private covenants and/or restrictions that are contrary to, conflict with, or prohibit the proposed request? If yes, a copy of the private covenants and/or restrictions must be submitted with this application. ☐YES ☐NO

To the best of my knowledge, the information on this application and all additional documentation is true, factual, and complete. I hereby agree to abide by all conditions of any approvals granted by the Town of Hilton Head Island. I understand that such conditions shall apply to the subject property only and are a right or obligation transferable by sale.

I further understand that in the event of a State of Emergency due to a Disaster, the review and approval times set forth in the Land Management Ordinance may be suspended.

_______________________________ 9/18/19

SIGNATURE DATE

Figure 1: Existing Condition of Site from Office Park Road

Figure 2: Existing Condition of Site from Drive Aisle

Figure 3: Adjacent Harris Teeter Grocery Store

Figure 4: Adjacent Commercial Retail

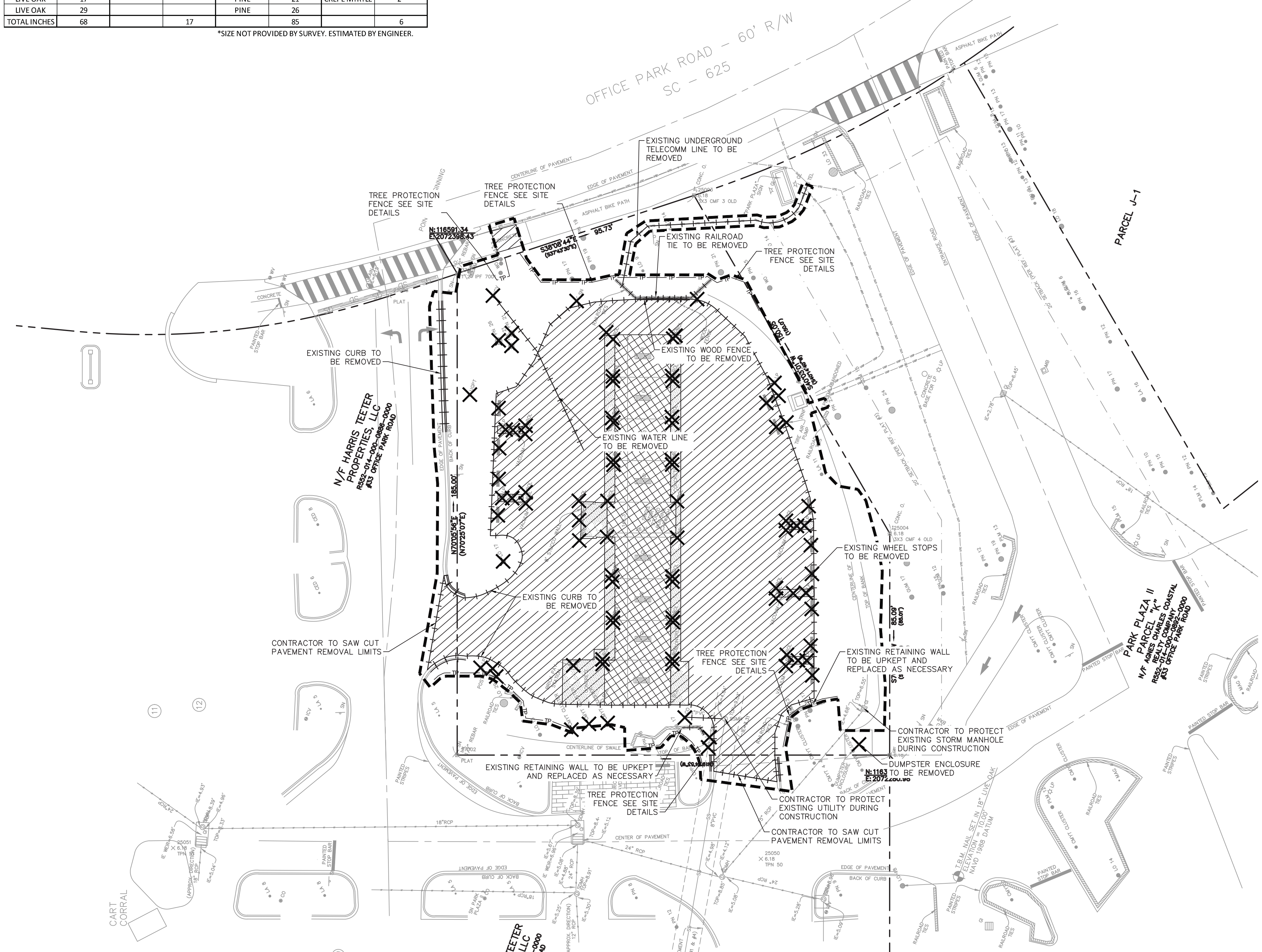
Figure 5: Adjacent Commercial Retail

Figure 6: Adjacent Office Park

Figure 6: Adjacent Commercial Retail

TREE REMOVAL SUMMARY							
CATEGORY 1		CATEGORY 2		CATEGORY 3		CATEGORY 4	
TYPE	SIZE (INCHES)	TYPE	SIZE (INCHES)	TYPE	SIZE (INCHES)	TYPE	SIZE (INCHES)
LIVE OAK	9	SWEET GUM	17	PINE	17	CREPE MYRTLE	2*
LIVE OAK	13			PINE	21	CREPE MYRTLE	2*
LIVE OAK	17			PINE	21	CREPE MYRTLE	2*
LIVE OAK	29			PINE	26		
TOTAL INCHES	68		17		85		6

*SIZE NOT PROVIDED BY SURVEY. ESTIMATED BY ENGINEER.



DEMOLITION LEGEND

	BUILDINGS AND SURROUNDING STRUCTURES TO BE REMOVED
	EXISTING PAVEMENT TO BE REMOVED
	EXISTING LENGTH OF ITEM TO BE REMOVED
X	EXISTING ITEM TO BE REMOVED
	DISTURBED AREA

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

South Carolina 811
Call 811 Before You Dig

DEMOLITION PLAN NOTES

1. A PRE-CONSTRUCTION MEETING MUST HAPPEN ON SITE BEFORE ANY EROSION CONTROL MEASURES ARE TO BE INSTALLED. THE GC MUST CONTACT THE EROSION CONTROL INSPECTOR TO SET UP THE MEETING.
2. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITIES ON SITE PRIOR TO DEMOLITION.
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AND TREE PROTECTION PER THE SEQUENCE PRIOR TO BEGINNING DEMOLITION WORK.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
5. THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES AS NOTED AND SHOWN ON THESE PLANS AND AS DIRECTED BY THE OWNER.
6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY PERMITS AND PAY FEES REQUIRED FOR DEMOLITION AND HAUL-OFF FROM THE APPROPRIATE AUTHORITIES. THESE FEES SHALL BE INCLUDED WITH THE BID. THE CONTRACTOR SHALL PREPARE ALL DOCUMENTS AND ACQUIRE APPROPRIATE PERMITS AS REQUIRED PRIOR TO THE COMMENCEMENT OF DEMOLITION.
7. DEMOLITION IS DEPICTED IN THE DEMOLITION PLAN AND IS INTENDED TO DESCRIBE GENERAL DEMOLITION AND UTILITY WORK. IT IS NOT INTENDED TO IDENTIFY EACH ELEMENT OF DEMOLITION OR RELOCATION. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY PRIOR TO WORK.
8. CONTRACTOR TO COMPLETELY DEMOLISH AND DISPOSE OFFSITE IN A LAWFUL MANNER EXISTING BUILDINGS, INCLUDING FOUNDATIONS AND ALL APPURTENANCES LOCATED ON AND AROUND THE PROPERTY INCLUDING BUT NOT LIMITED TO BOLLARDS, GAS METERS, AIR CONDITIONING UNITS, SIGNS, CURBS, SIDEWALKS, ELECTRIC METERS, FENCING, STAIRS, WALLS, FOUNDATIONS, CONDUITS, LIGHT POLE BASES, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA, ETC.
9. REMOVE AND/OR PLUG EXISTING UTILITIES SUCH AS SANITARY SEWER, WATER, GAS, ELECTRIC, AND TELEPHONE AS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH UTILITY COMPANY TO COORDINATE REMOVAL OF ALL UTILITIES AND FOR DETERMINING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES PRIOR TO COMMENCING WORK.
10. THE CONTRACTOR SHALL CUT AND PLUG, OR ARRANGE FOR THE APPROPRIATE UTILITY COMPANY TO CUT AND PLUG ALL SERVICE PIPING AT THE STREET LINE OR MAIN, AS REQUIRED, OR AS OTHERWISE NOTED. ALL SERVICES MAY NOT BE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL INVESTIGATE THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTEND OF SERVICE PIPING TO BE REMOVED, CUT OR PLUGGED.
11. CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC COMPANY IN THE REMOVAL/RELOCATION OF EXISTING UTILITY POLES AND OVERHEAD POWER LINES.
12. THE CONTRACTOR SHALL ARRANGE FOR RESETTING OF CURB BOXES, VALVE BOXES AND REMOVAL AND/OR RELOCATION OF OVERHEAD UTILITIES AND UTILITY POLES WITH THE APPROPRIATE UTILITY COMPANY.
17. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
18. ALL EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE SOLE EXPENSE OF THE CONTRACTOR.
19. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING ROAD SURFACES.
20. FINISHED SURFACES TO BE REMOVED OR DEMOLISHED SHALL BE CUT ALONG LINES OF JOINTS WHICH WILL PERMIT A NEAT SURFACE WHEN RESTORED.
21. SAW CUT AT INTERFACE OF PAVEMENT OR CURB TO REMAIN. SAW CUT EXISTING PAVEMENT AT THE RIGHT-OF-WAY. SAW CUTS SHALL BE MADE FULL DEPTH THROUGH THE EXISTING PAVEMENT. DISCARDED PAVEMENT SHALL BE REMOVED WITHOUT UNDERMINING THE EXISTING PAVEMENT.
22. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPAIR.
23. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO THE ADJOINING PROPERTIES THROUGHOUT CONSTRUCTION.
24. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
25. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONTRACTOR SHALL CONSULT THE ENGINEER AND OWNER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
26. ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL CONTRACTOR ONLY AFTER NOTIFICATION OF THE ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE OWNER
27. THE CONTRACTOR SHALL PUMP OUT BUILDING FUEL AND WASTE OIL TANKS (IF ANY ARE ENCOUNTERED) AND REMOVE FUEL TO AN APPROVED DISPOSAL AREA BY AN APPROPRIATELY LICENSED WASTE OIL HANDLING CONTRACTOR IN STRICT ACCORDANCE WITH FEDERAL AND STATE REQUIREMENTS ONLY AFTER NOTIFICATION OF THE ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE OWNER.
28. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
29. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
30. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED.
31. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT OF WAY DURING CONSTRUCTION
32. ANY WATER WELLS ENCOUNTERED ARE TO BE BROUGHT TO THE PROJECT ENGINEER ATTENTION IMMEDIATELY AND PROPERLY ABANDONED BY A LICENSED WELL DRILLER.
33. ANY SEPTIC SYSTEMS ENCOUNTERED SHALL BE BROUGHT TO THE THE PROJECT ENGINEER ATTENTION IMMEDIATELY AND SHALL BE PROPERLY DEMOLISHED.
34. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE OWNER.
35. SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE FENCING, CART CORRAL, LIGHTING AND/OR STORM INLET STRUCTURES, THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/ STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. EXCEPT FOR MATERIALS DESIGNED TO BE RELOCATED ON THIS PLAN, ALL OTHER CONSTRUCTION MATERIALS SHALL BE NEW.
36. THIS PLAN DOES NOT PURPORT TO SHOW ALL REQUIRED DEMOLITION. CONTRACTOR SHALL FIELD VERIFY PRIOR TO SUBMITTING BID.

Kimley»Horn
NC License #F-0102
200 SOUTH TRYON ST.
SUITE 200
CHARLOTTE, NC 28202
PHONE: (704) 333-5131

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36311 MARGARET JONES 11/27/19

SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. C00166 CERTIFICATE OF AUTHORIZATION

NO. | DATE | REVISIONS

CLIENT: HARRIS TEETER

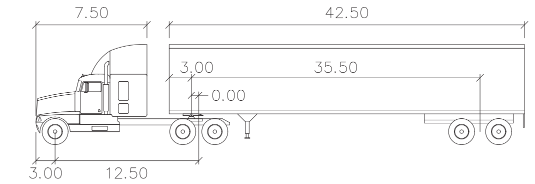
PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: DEMOLITION PLAN

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

C0-3

November 27, 2019 – 12:37pm By: Megan.Fitzsimmons
K:\CHL_PRJ\015640 harris teeter\134 sea pines hilton head sc fuel center\02 – DWG\plansheets\C0-3 DEMO-134.dwg



WB-50 feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 17.7
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		

ZONING CODE SUMMARY

PROJECT NAME:	STORE 423 - SEA PINES
CLIENT NAME:	HARRIS TEETER, LLC.
PHONE#	(704)844-3100
PLANS PREPARED BY:	KIMLEY-HORN AND ASSOCIATES
PHONE#	(704)333-5131
TAX PARCEL ID:	R552 014 000 0933 0000
STREET ADDRESS:	33 OFFICE PARK ROAD HILTON HEAD ISLAND, SOUTH CAROLINA 29928
ZONING:	SEA PINES COMMERCIAL
PROPOSED USE:	FUEL SALES
BUILDING HEIGHT:	13'-5 $\frac{1}{2}$"
LOT SIZE:	0.68 ACRES (PROPOSED)
MINIMUM LOT WIDTH:	
MINIMUM LOT DEPTH:	
MAXIMUM BUILDING HEIGHT:	45'
JURISDICTION:	HILTON HEAD ISLAND
YARD REQUIREMENTS:	
BUILDING SETBACK (ALL SIDES):	20'
LANDSCAPE BUFFER (OFFICE PARK ROAD):	10'

PARKING SUMMARY

PARKING REQUIREMENT	1 SPACE PER 200 GFA = 2 SPACES
PARKING PROVIDED	3 SPACES (1 ADA SPACE)
BICYCLE PARKING REQUIRED	4 BICYCLES/10 PARKING SPACES = 4 SPACES
BICYCLE PARKING PROVIDED	4 BICYCLE SPACES

OPEN SPACE SUMMARY

PARCEL AREA:	29,448 SF (0.676 ACRES)
TOTAL IMPERVIOUS:	
EXISTING:	17,681 SF (0.406 ACRES) 60.1%
PROPOSED:	17,189 SF (0.395 ACRES) 58.4%

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

South Carolina 811
Call 811 Before You Dig

Kimley»Horn
NC License #F-0102
200 SOUTH TRYON ST.
SUITE 200
CHARLOTTE, NC 28202
PHONE: (704) 333-5131

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36311 MARGARET JONES
Margaret Jones 11/27/19

SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC No. C00166 CERTIFICATE OF AUTHORIZATION

NO.	DATE	REVISIONS

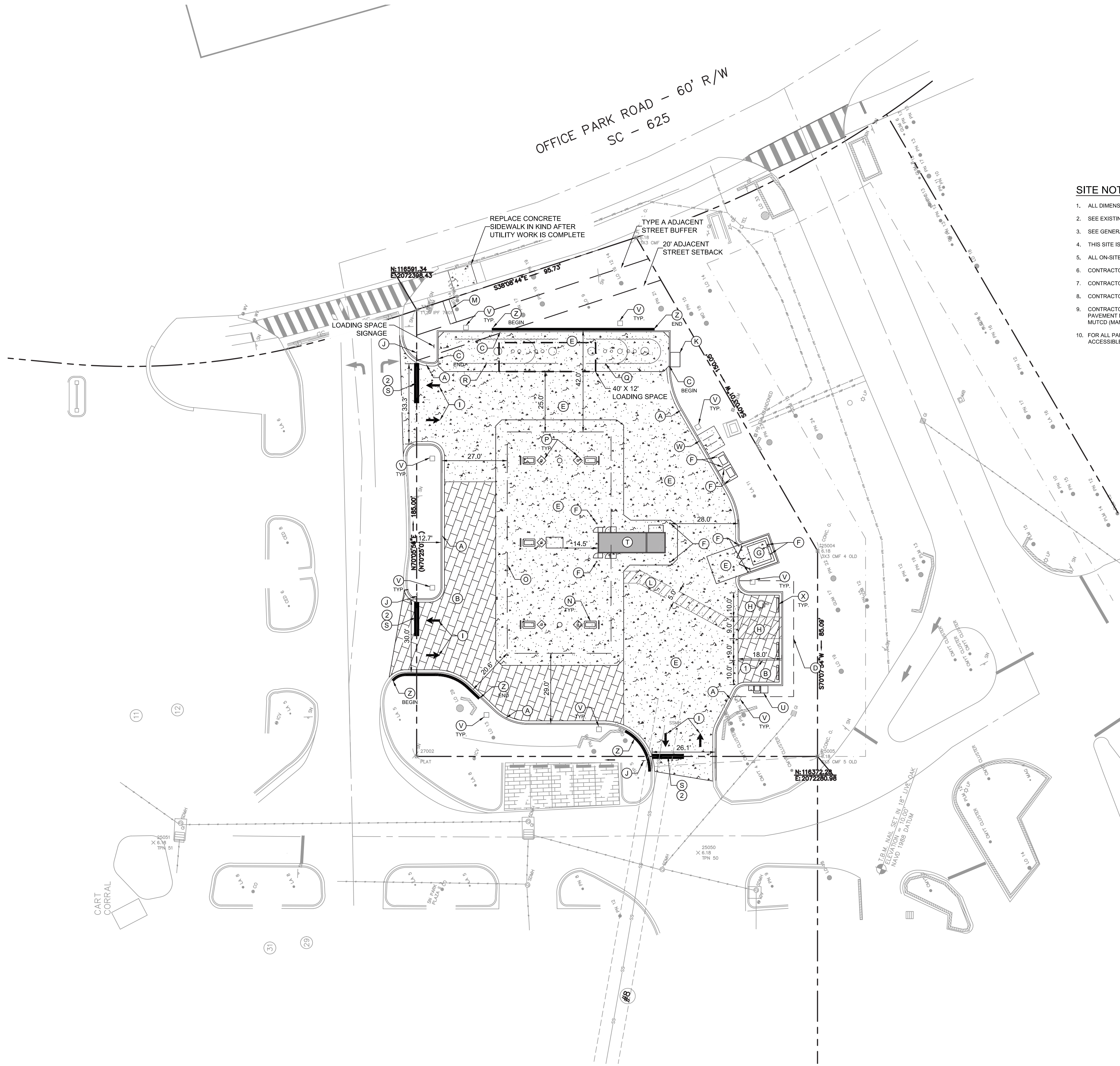
CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER
STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: OVERALL SITE PLAN

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

C2-0



FUEL STATION SITE PLAN LEGEND

	PROPOSED 18" CURB AND GUTTER
(A)	PROPOSED SITE NOTE
	PROPOSED HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED PERMEABLE PAVERS
	PROPOSED KIOSK
	PROPOSED CANOPY
	PROPOSED UNDERGROUND STORAGE TANK

SITE NOTES

1. ALL DIMENSIONS ARE BASED FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. SEE EXISTING CONDITIONS SHEET FOR COMPLETE BOUNDARY DESCRIPTION , ADJOINING PROPERTIES, ZONING AND USE.
3. SEE GENERAL NOTES SHEET FOR SITE PLAN AND ZONING NOTES.
4. THIS SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA ACCORDING TO THE INSURANCE RATE MAP, FEMA FIRM PANEL 4502500013D DATED 9/29/1986
5. ALL ON-SITE STRIPING IS TO BE SHERWIN-WILLIAMS HOTLINE WITH GLASS BEADS.
6. CONTRACTOR SHALL USE MP1 CAULK TO SEAL AROUND KIOSK.
7. CONTRACTOR SHALL USE POLYUREA FLOOR SEALANT ON ALL ON SITE CONCRETE.
8. CONTRACTOR TO USE SILTANIUM FOR ALL TILE IN RESTROOM
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO SCDOT OR CITY ROW. ALL TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS ,SIGNS AND SIGNALS SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN CONFORMANCE WITH THE STANDARDS SET FORTH IN THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL)
10. FOR ALL PARKING LOT STRIPING ON ASPHALT, THE FOLLOWING COLOR SCHEME SHALL BE USED: WHITE FOR STANDARD PARKING SPACES; BLUE FOR ACCESSIBLE PARKING SPACES AND ACCESS AISLES; AND YELLOW FOR NO PARKING AREAS.

SITE LEGEND

A	18" CONCRETE CURB AND GUTTER TYPICAL (SEE SITE DETAIL SHEET)
B	PERMEABLE PAVERS (SEE SITE DETAIL SHEET)
C	INTEGRATED CONCRETE CURB (SEE SITE DETAIL SHEET)
D	5' PARKING BUFFER
E	HEAVY DUTY CONCRETE PAVEMENT (SEE SITE DETAIL SHEET) SEE NOTE 6 ABOVE
F	6"Ø PIPE BOLLARD WITH GLASS CITY BOLLARD SLEEVE (SEE SITE DETAIL SHEET)
G	DUMPSTER ENCLOSURE WITH GATES (SEE SITE DETAIL SHEET)
H	ACCESSIBLE PARKING SPACE TYPICAL. SEE SITE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE AND SIGN ("VAN"-INDICATES VAN ACCESSIBLE SPACE)
I	PAINTED DIRECTIONAL ARROW, TYPICAL (SEE SITE DETAIL SHEET)
J	"STOP" SIGN. (SEE SITE DETAIL SHEET)
K	4' x 6' CONCRETE PAD FOR VENT STACKS. VENT STACKS SHALL BE PAINTED BRONZE TO MATCH SITE LIGHTING POLES. (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
L	ADA PEDESTRIAN CROSSWALK (SEE SITE DETAIL SHEET)
M	MONUMENT SIGN (SEE SITE SIGNAGE PLANS BY CASCO SIGNS)
N	DISPENSER (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
O	OVERHEAD CANOPY (SEE CANOPY AND CANOPY LIGHTING PLANS BY BORDER STATES ELECTRIC)
P	CANOPY COLUMN (SEE CANOPY COLUMN BRICK MASONRY WRAP SHEET)
Q	18,000 GALLON SPLIT FUEL TANK (10,00O DIESEL AND 8,000 ETHANOL FREE) (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
R	28,000 GALLON FUEL TANK (20,000 REGULAR AND 8,000 PREMIUM) (SEE UNDERGROUND STORAGE TANK PLANS BY GALLOWAY)
S	STOP BAR (SEE SITE DETAIL SHEET)
T	KIOSK (SEE KIOSK PLANS BY FREY MOSS STRUCTURES)
U	8' X 3' CONCRETE PAD FOR TRASH CAN, YARD HYDRANT, AND AIR/VAC
V	LIGHT POLE BASE (SEE STRUCTURAL SHEETS)
W	BICYCLE PARKING (SEE SITE DETAIL SHEET)
X	WHEEL STOP (SEE SITE DETAIL SHEET)
Z	BRICK WALL (GC TO DESIGN/BUILD PER GRADING PLAN SEE HT BRICK SCHEDULE FOR TYPE AND COLOR)

STRIPING LEGEND

1	SINGLE WHITE SOLID LINE / 4" WIDE
2	SINGLE WHITE SOLID LINE / 24" WIDE

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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36311 MARGARET JONES 11/27/19

SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC No. C00166 CERTIFICATE OF AUTHORIZATION

NO.	DATE	REVISIONS

CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: FUEL STATION SITE PLAN

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

C2-1

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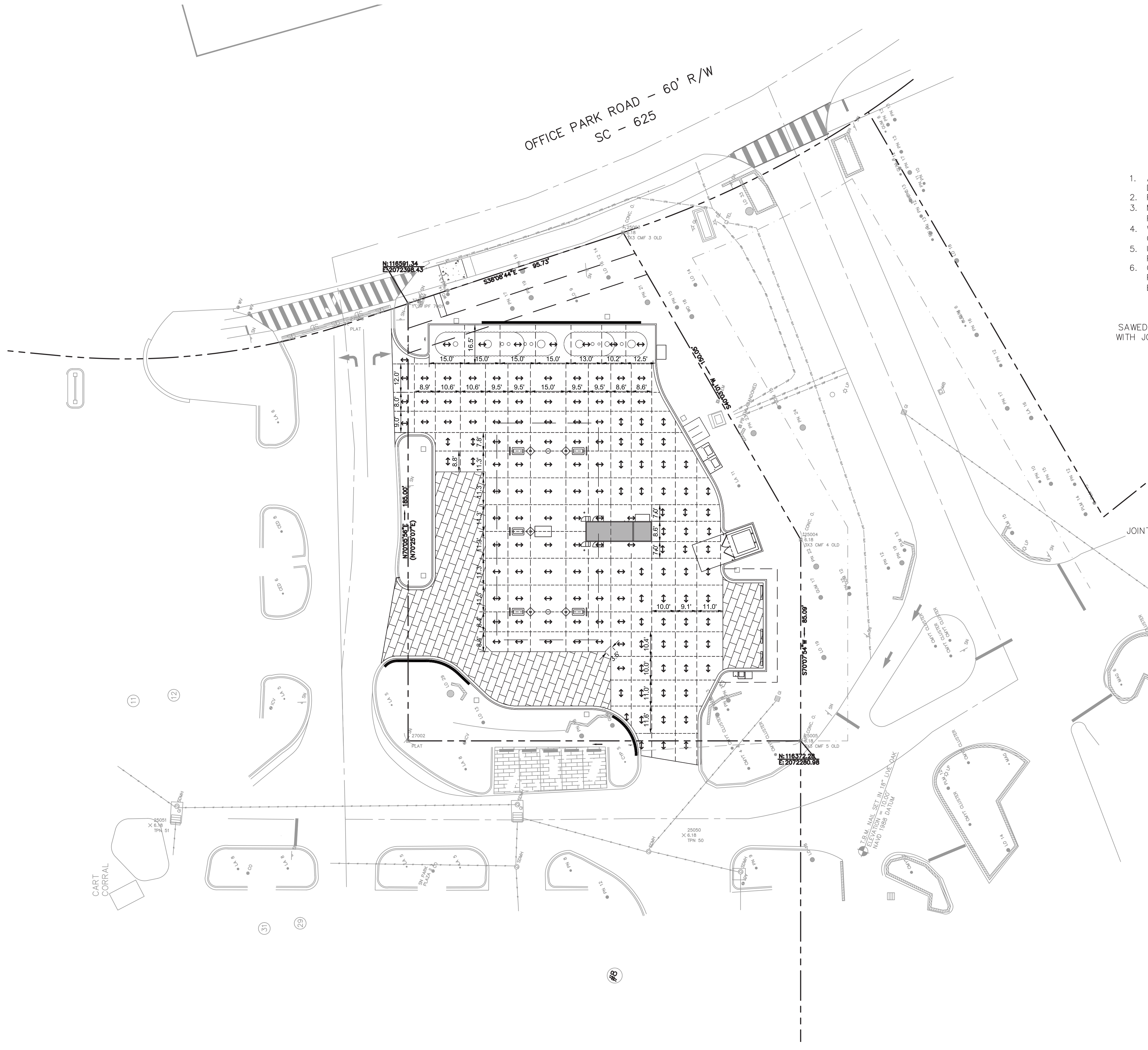
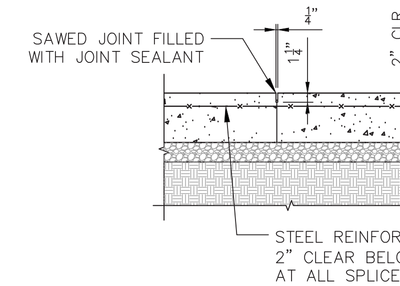
November 27, 2019 – 12:38pm By: Megan.Fitzsimmons



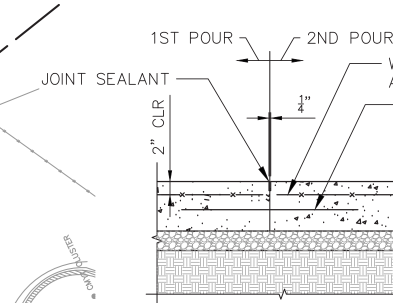
PROPOSED PAVING LEGEND	
- - - - - - - - - -	CONTRACTION JOINT
— — — — —	CONSTRUCTION JOINT
—— —— ——	ISOLATION JOINT
↔	PAVEMENT BROOM FINISH DIRECTION

1. ALL CONCRETE PAVEMENT SHALL BE REINFORCED PER THIS DETAIL.
2. REFER TO PAVING PLAN FOR BROOM FINISH DIRECTION.
3. MAINTAIN 2" CLEAR COVER AT ENDS OF WELDED WIRE FABRIC (WWF).
4. WWF TO BE SPLICED ONE GRID OR 6" WHICHEVER IS GREATER.
5. USE PROPER CHAIRS TO MAINTAIN 2" CLEAR FROM TOP OF PAVEMENT.
6. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PREVENT MOVEMENT OF WWF DURING POUR. STAKES SHALL BE 12" OR MORE FROM THE EDGE OF PANEL.



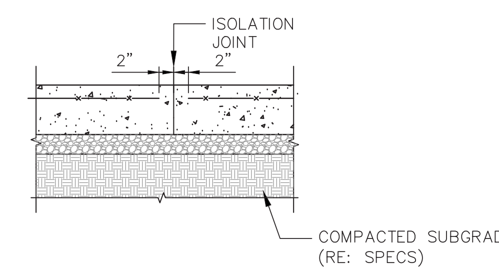
NOTE: JOINT SHALL BE SAWED IMMEDIATELY AFTER INITIAL SET, BEFORE CONCRETE BEGINS TO COOL. AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH NOT TO BE DAMAGED BY THE BLADE, AND BEFORE RANDOM DRYING SHRINKAGE CRACKS CAN FORM.

CONTROL JOINT



NOTE: PAINT FACE OF JOINT WITH BOND BREAKING COMPOUND PRIOR TO 2ND POUR.

CONSTRUCTION JOINT



ISOLATION JOINT

PAVEMENT REINFORCING DETAIL

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11/27/19

SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. C00166 CERTIFICATE OF AUTHORIZATION

NO.	DATE	REVISIONS

CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

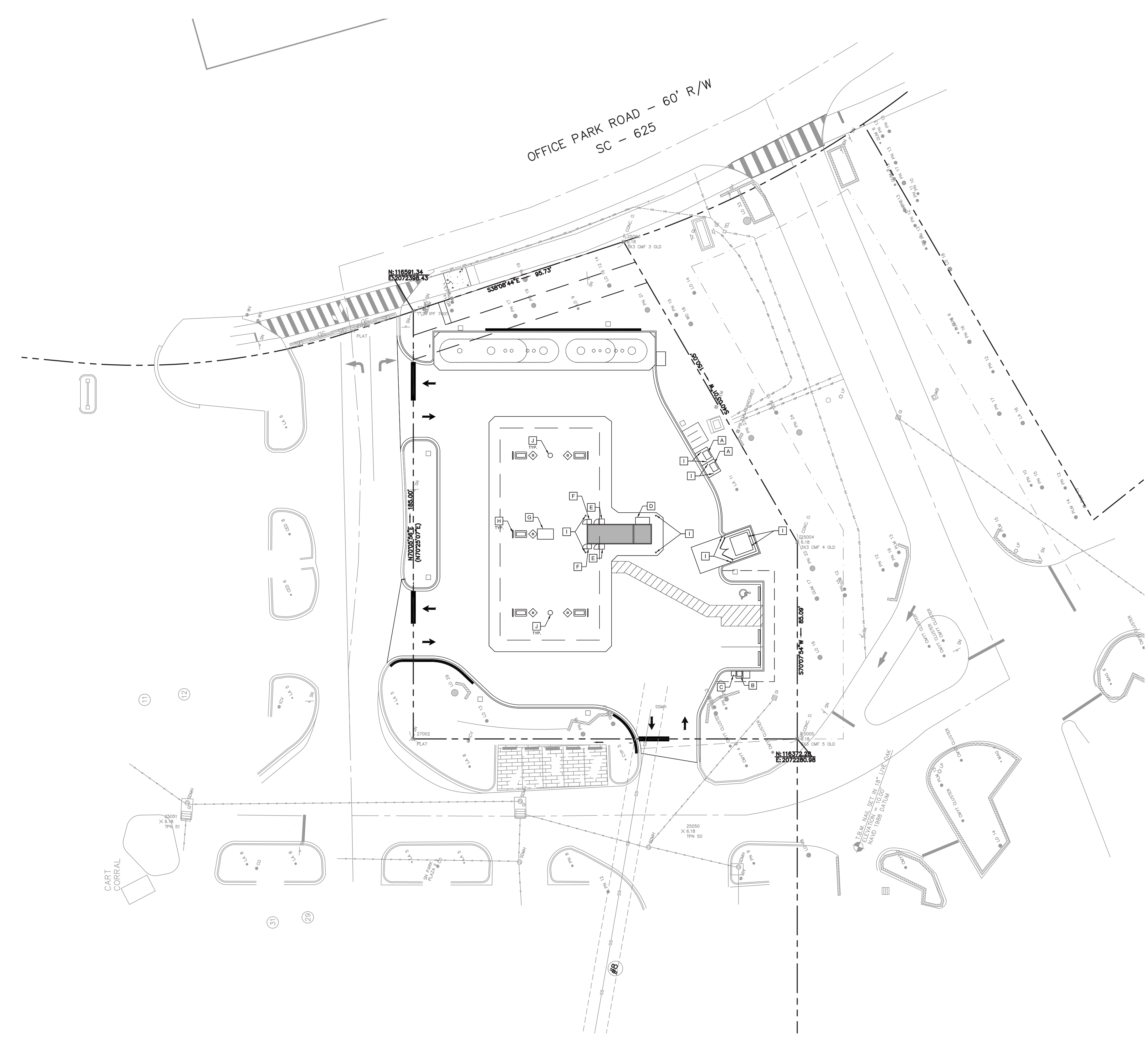
TITLE: FUEL STATION PAVING PLAN

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

C2-2B

November 27, 2019 - 12:38pm By: Megan.Fitzsimmons

K:\CHL_PRJ\015640 harris teeter\134 sea pines hilton head sc fuel center\02 - DWG\plansheets\C2-0 OVERALL SITE PLAN-134.dwg



FIXTURE LEGEND

A	PROPANE CAGE BY BLUE RHINO (SEE ANS)
B	AIR/VAC BY AIR-SERVE, LLC. (SEE DETAIL SHEET)
C	FREEZELESS YARD HYDRANT (MODEL W34) BY WOODFORD (SEE ANS)
D	OUTDOOR ICE MERCHANDISER (MODEL 60C/A) BY LEER (SEE ANS)
E	GLASS DOOR MERCHANDISER (MODEL: GDM-23-LD) BY TRUE FOOD SERVICE EQUIPMENT, INC. (SEE ANS)
F	GLASS DOOR MERCHANDISER (MODEL: GDM-10-LD) BY TRUE FOOD SERVICE EQUIPMENT, INC. (SEE ANS)
G	GENERAL MERCHANDISE AND SWEET AND SAVORY SNACK (SEE ANS)
H	U-SHAPED STAINLESS STEEL BOLLARD (SEE ANS)
I	BOLLARD SLEEVE BY GLASS CITY PLASTICS (SEE DETAIL SHEET)
J	LANDMARK SERIES WASTE RECEPTACLES/WINDSHEILD WIPER UNITS (SEE ANS)

BILL OF MATERIAL

QUANTITY	ITEM
2	PROPANE CAGE
1	AIR/VAC
1	FREEZELESS YARD HYDRANT
1	OUTDOOR ICE MERCHANDISER
2	GLASS DOOR MERCHANDISER (MODEL: DM-23-LD)
2	GLASS DOOR MERCHANDISER (MODEL: GDM-10-LD)
2	GENERAL MERCHANDISE AND SWEET AND SAVORY SNACKS
5	U-SHAPED STAINLESS STEEL BOLLARD
12	BOLLARD SLEEVE
2	BOLLWASTE RECEPTICLE / WINDSHIELD WIPER UNIT

ALERT TO CONTRACTOR:

CONTRACTOR TO PROTECT STAINLESS STEEL BOLLARDS DURING INSTALLATION. CONTRACTOR TO PROTECT BOLLARDS WITH BLANKETS OR OTHER NECESSARY MEANS TO PREVENT SCRATCHING, SCUFFING, OR FORMS OF DAMAGE. IN THE EVENT THAT ANY BOLLARDS ARE DAMAGED, IT WILL BE THE CONTRACTORS SOLE RESPONSIBILITY TO REPLACE THEM AT COST.

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11/27/19

SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC CERTIFICATE OF AUTHORIZATION No. C00166

NO.	DATE	REVISIONS

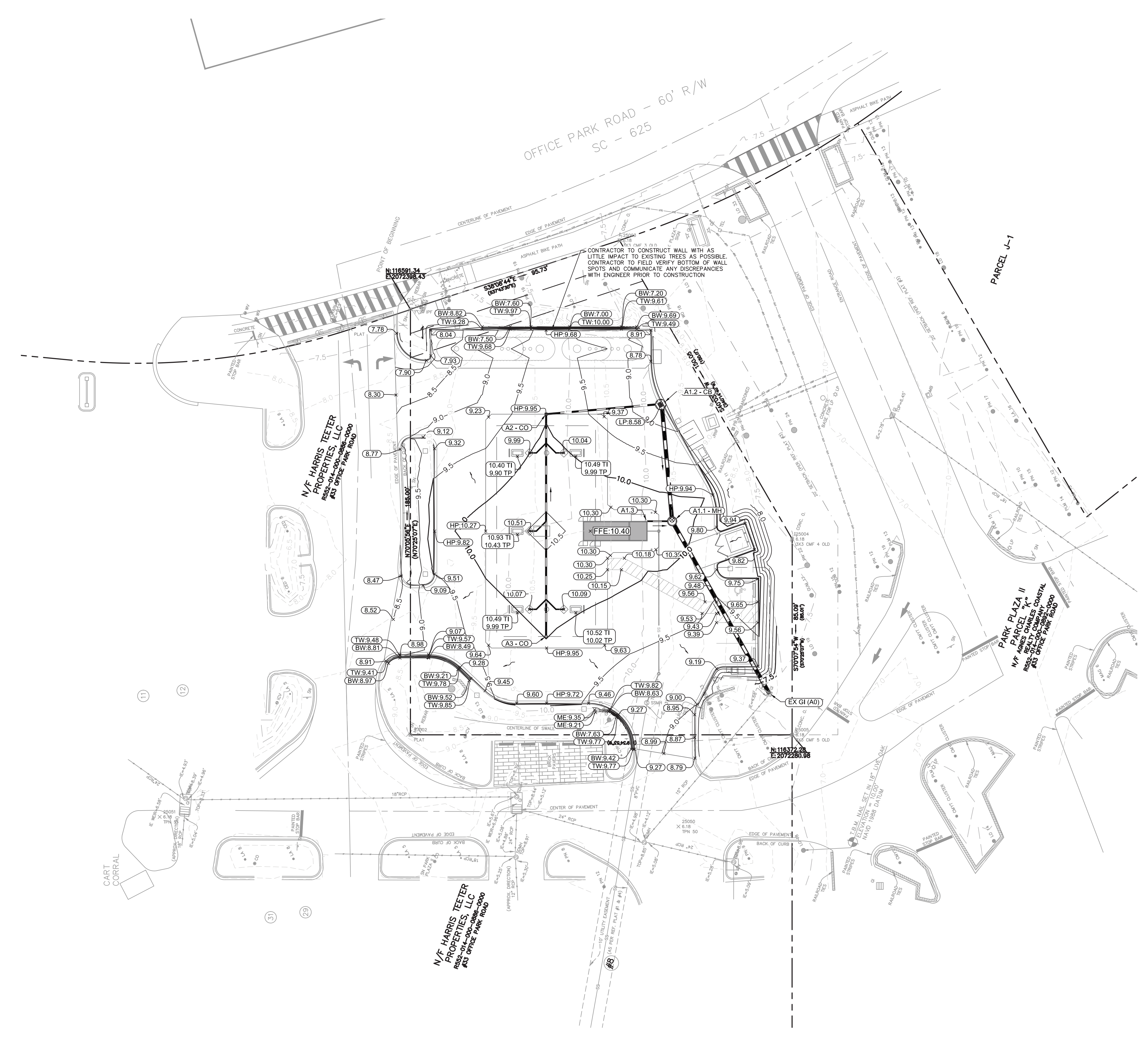
CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: FUEL STATION FIXTURE PLAN

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

C2-3



GRADING AND DRAINAGE LEGEND

10	PROPOSED MAJOR CONTOUR
6	PROPOSED MINOR CONTOUR
6.71	PROPOSED SPOT - FINISHED GRADE
HP:6.71	PROPOSED SPOT - HIGH POINT
LP:6.71	PROPOSED SPOT - LOW POINT
6.71 TI	PROPOSED SPOT - TOP OF ISLAND
XX - XX	STORM STRUCTURE LABEL
D	STORM STRUCTURE
	PROPOSED STORM PIPE
	EXISTING STORM PIPE
	FLOW DIRECTION

GRADING NOTES

1. SEE GENERAL NOTES SHEET FOR OVERALL PAVING, GRADING AND DRAINAGE NOTES.
2. CONTRACTOR SHALL REVIEW, UNDERSTAND AND IMPLEMENT ALL REQUIRED EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO ANY DISTURBANCE.
3. ALL SPOT ELEVATIONS ALONG PAVEMENT REPRESENT FINISHED GRADE ELEVATION UNLESS OTHERWISE NOTED.
4. ALL PROPOSED STORM PIPE TO BE CLASS III RCP UNLESS OTHERWISE NOTED.
5. ALL STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINAL PAVEMENT.
6. ALL CONNECTIONS BETWEEN PROPOSED STORM STRUCTURES AND O-RING PIPE SHALL HAVE WATERTIGHT CONNECTIONS.
7. INLET PROTECTION - CONTRACTOR SHALL PROVIDE CATCH BASIN INLET PROTECTION ON ALL EXISTING AND PROPOSED INLETS UNTIL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.
8. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION BETWEEN PROPOSED PAVEMENT AND EXISTING PAVEMENT AND STORM STRUCTURES
9. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES
10. ALL CLEANOUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
11. CONTRACTOR SHALL COORDINATE PAVING IMPROVEMENTS TO AVOID TIRE MARKS FROM CONSTRUCTION ACTIVITY. FINAL PAVING SHALL BE AS SMOOTH AS POSSIBLE AND FREE FROM ANY PARKS, SCRAPED, GOUGED, TIRE MARKS, ETC. CAUSED DURING CONSTRUCTION.
12. DURING CONSTRUCTION AND AFTER FINAL GRADING, NO SURFACE WATER RUNOFF MAY BE DIRECTED TO ADJACENT PROPERTIES, AND ALL SURFACE WATER RUNOFF MUST BE ROUTED TO APPROVED DRAINAGE FACILITIES OR BE RETAINED ON SITE. ALL RUNOFF FROM THE SITE, BOTH DURING AND AFTER CONSTRUCTION, MUST BE FREE OF POLLUTANTS, INCLUDING SEDIMENT, PRIOR TO DISCHARGE.
13. ALL SCHEDULE 40 PVC IS TO BE USED ON PROJECT. THERE SHALL BE NO CELL-CORE USED DURING CONSTRUCTION.
14. RIM ELEVATIONS OF CURB INLETS EQUALS THE FLOW LINE OF THE GUTTER PAN. RIM ELEVATIONS OF DROP INLETS, MANHOLES, AND CLEANOUTS EQUALS THE CENTER OF GRATE OR LID ELEVATION.

STORM DRAINAGE ABBREVIATIONS LIST

(SEE LATEST SCDOT STDS. MANUAL AND DETAIL SHEETS)

CB	CATCH BASIN (SCDOT STDS. 719.001, .01, .02, .04, .46, .66) US FOUNDRY 5181 FRAME & HOOD AND US FOUNDRY 6003 GRATE
MH	JUNCTION BOX/MANHOLE (SCDOT STDS.)
CO	CLEAN-OUT (SEE DETAIL SHEET)
EX-GI	EXISTING GRATE INLET

ALERT TO CONTRACTOR

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36311 MARGARET JONES
11/27/19

SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC No. C00166 CERTIFICATE OF AUTHORIZATION

REVISIONS | DATE | NO.

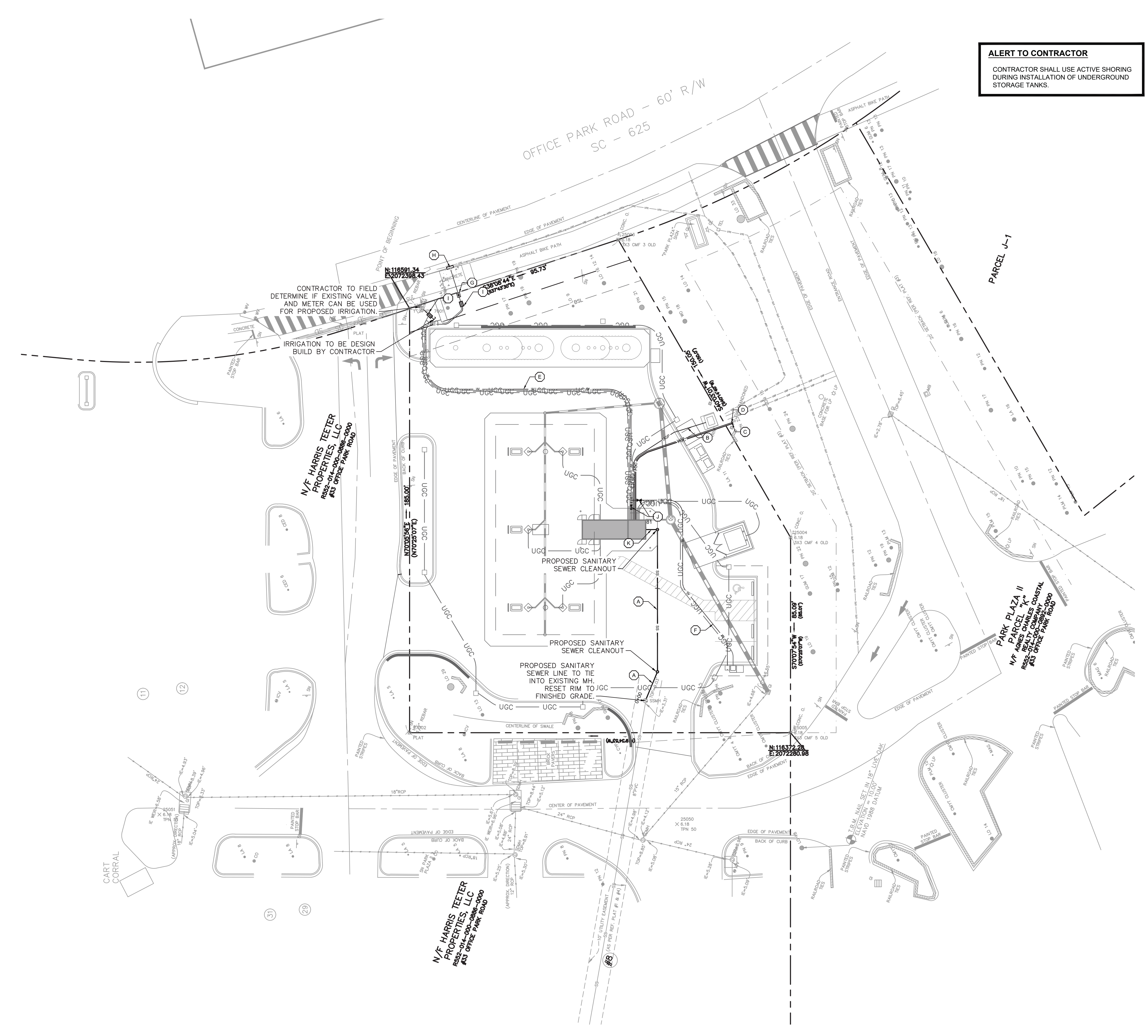
CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: PAVING GRADING DRAINAGE PLAN

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

C3-0



ALERT TO CONTRACTOR

CONTRACTOR SHALL USE ACTIVE SHORING DURING INSTALLATION OF UNDERGROUND STORAGE TANKS.

UTILITY LEGEND

Symbol	Description
UGP	PROPOSED UNDERGROUND ELECTRIC
SS	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
UGT	PROPOSED TELEPHONE
W	PROPOSED DOMESTIC WATER
W	PROPOSED IRRIGATION
FOC	PROPOSED FIBER OPTIC CABLE
UGC	PROPOSED UNDERGROUND CONDUIT

UTILITY NOTES

1. SEE GENERAL NOTES SHEET FOR ADDITIONAL UTILITY NOTES
2. ALL BACKFLOW AND METER TYPES TO BE APPROVED BY THE HILTON HEAD PUBLIC SERVICE DEPARTMENT.
3. CAST IRON SLIDE COVERS MUST BE USED ON ALL CLEANOUTS LOCATED IN PAVED AREAS.
4. ALL APPLICABLE WATER/SEWER IMPACT AND METER FEES MUST BE PAID BY CONTRACTOR BEFORE ANY BUILDING PERMITS ARE ISSUED.

SANITARY SEWER NOTES

1. CONTRACTOR TO COORDINATE WITH THE HILTON HEAD PUBLIC SERVICE DEPARTMENT AND PAY FOR TIE-IN TO THE TOWN OF HILTON HEAD ISLAND SANITARY SEWER PROPOSED FOR THIS PROJECT.
2. CONTRACTOR TO LOCATE LATERAL CONNECTIONS TO BUILDING PER PLUMBING PLANS.
3. PLACE CLEAN-OUTS ON SANITARY SEWER LATERALS AS REQUIRED BY PLUMBING CODE.
4. TRENCHES FOR SEWER LATERALS MUST REMAIN OPEN FOR PLUMBING INSPECTION.

WATER DISTRIBUTION NOTES

1. CONTRACTOR TO LOCATE TIE-INS TO ALL BUILDINGS BASED ON PLUMBING PLANS.
2. ALL WATER METERS BELONGING TO THE TOWN SHALL BE PLACED BY A PLUMBER CONTRACTED BY THE PROPERTY OWNER.
3. ALL WATER METERS SHALL BE INSTALLED IN THE GROUND PURSUANT TO THE SPECIFICATIONS OF TOWN OF HILTON HEAD ISLAND IN A LOCATION THAT WILL BE EASY TO ACCESS BY REPRESENTATIVES OF THE TOWN OF HILTON HEAD ISLAND UNLESS AN EXCEPTION SHALL BE GRANTED.

UTILITY LEGEND

- (A) 4" PVC SANITARY SEWER LINE. SEE PROFILE FOR ADDITIONAL INFORMATION.
- (B) PROPOSED APPROXIMATE LOCATION OF UNDERGROUND ELECTRIC TO BE INSTALLED. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ELECTRIC COMPANY BEFORE THE INSTALLATION OF UNDERGROUND ELECTRIC LINES ON EXACT LOCATION AND INSTALLATION PROCEDURES.
- (C) PROPOSED APPROXIMATE LOCATION OF UNDERGROUND FIBER OPTIC CABLE TO BE INSTALLED. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CABLE COMPANY COMPANY (HARGRAY) BEFORE THE INSTALLATION OF UNDERGROUND FIBER OPTIC CABLE ON EXACT LOCATION AND INSTALLATION PROCEDURES.
- (D) (2) 2" UNDERGROUND TELEPHONE CONDUITS TO BE EXTENDED BY TELEPHONE COMPANY. CONTRACTOR TO PROVIDE & INSTALL CONDUIT. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH TELEPHONE COMPANY (HARGRAY) FOR EXACT LOCATIONS AND INSTALLATION OF UNDERGROUND TELEPHONE LINES
- (E) 1" PEX WATER SUPPLY LINE. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY APPURTENANCES ON THE DOMESTIC LINE SUCH AS BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC., WHICH MAY BE REQUIRED. CONTRACTOR TO COORDINATE WITH THE TOWN OF HILTON HEAD ISLAND
- (F) 1" PEX WATER LINE TO FREEZELESS YARD HYDRANT
- (G) 1" WATER METER PIT
- (H) 1" TAPPING SLEEVE AND VALVE
- (I) 1" ABOVE GROUND REDUCED PRESSURE ZONE BACKFLOW PREVENTION ASSEMBLY WITHIN HOT BOX WITH HEAT TAPE INSTALLED PER THE TOWN OF HILTON HEAD ISLAND'S REQUIREMENTS. ENCLOSURE TO INCLUDE DRAIN PORT(S) WITH 12" OF DRAIN ROCKS BELOW ENCLOSURE.
- (J) 1" GATE VALVE
- (K) 4" PVC SANITARY SEWER LATERAL AT MINIMUM 1.00% SLOPE. COORDINATE WITH PLUMBING PLANS

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SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC No. C00166 CERTIFICATE OF AUTHORIZATION

NO.	DATE	REVISIONS

CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: UTILITY PLAN

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

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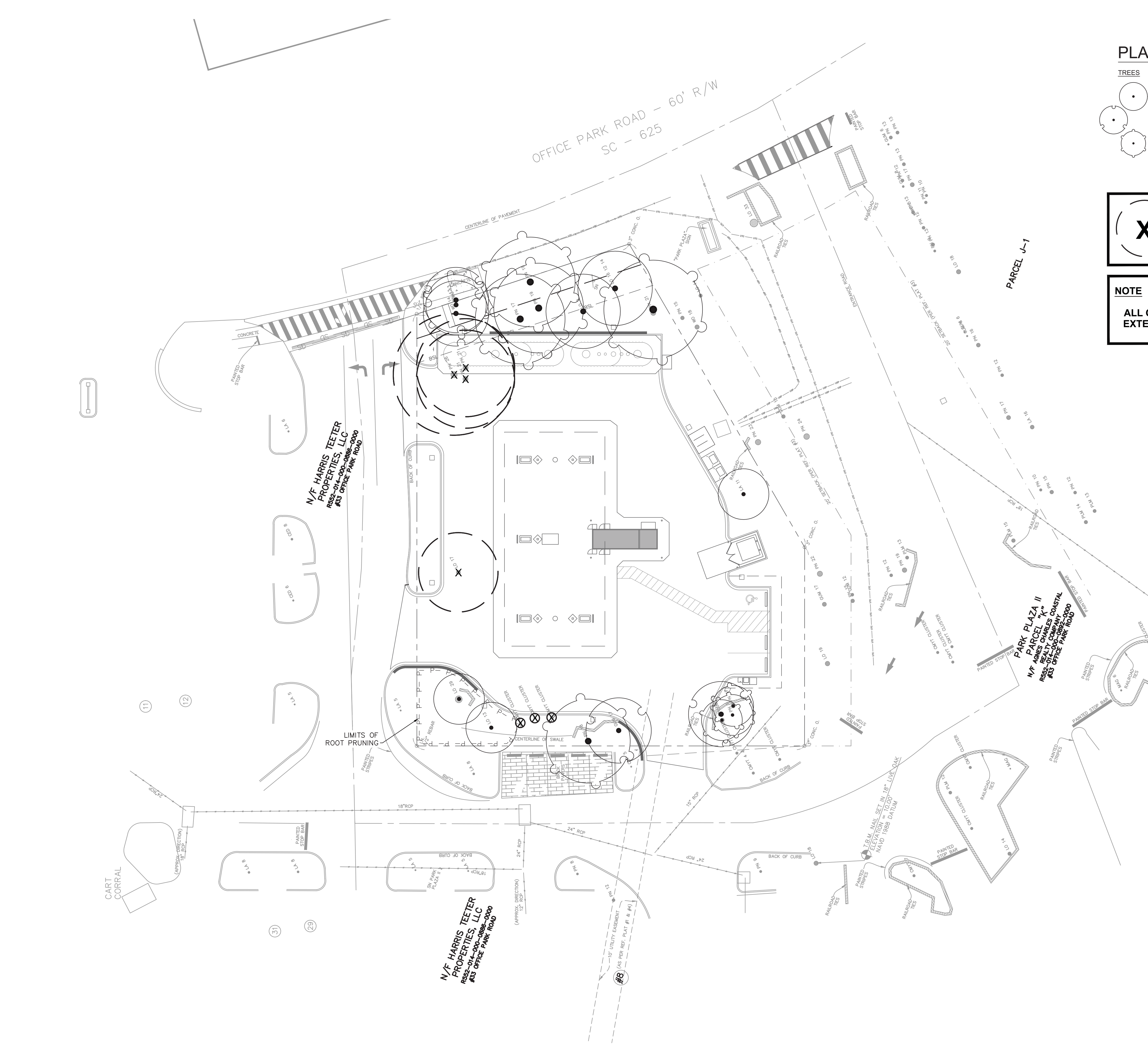

PLANT SCHEDULE EXISTING TREES

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME
	C1	5	CATEGORY I: Existing Tree	
	C2	4	CATEGORY II: Exisiting Tree	
	C3	9	CATEGORY III: Existing Tree	

X EXISTING TREE TO BE REMOVED

NOTE

ALL OF THE EXISTING TREE CANOPY SIZES REFLECT THE EXTENTS OF EACH TREE'S CRITICAL ROOT ZONE/ DRIP LINE.

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SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. C00166 CERTIFICATE OF AUTHORIZATION

NO.	DATE	REVISIONS

CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

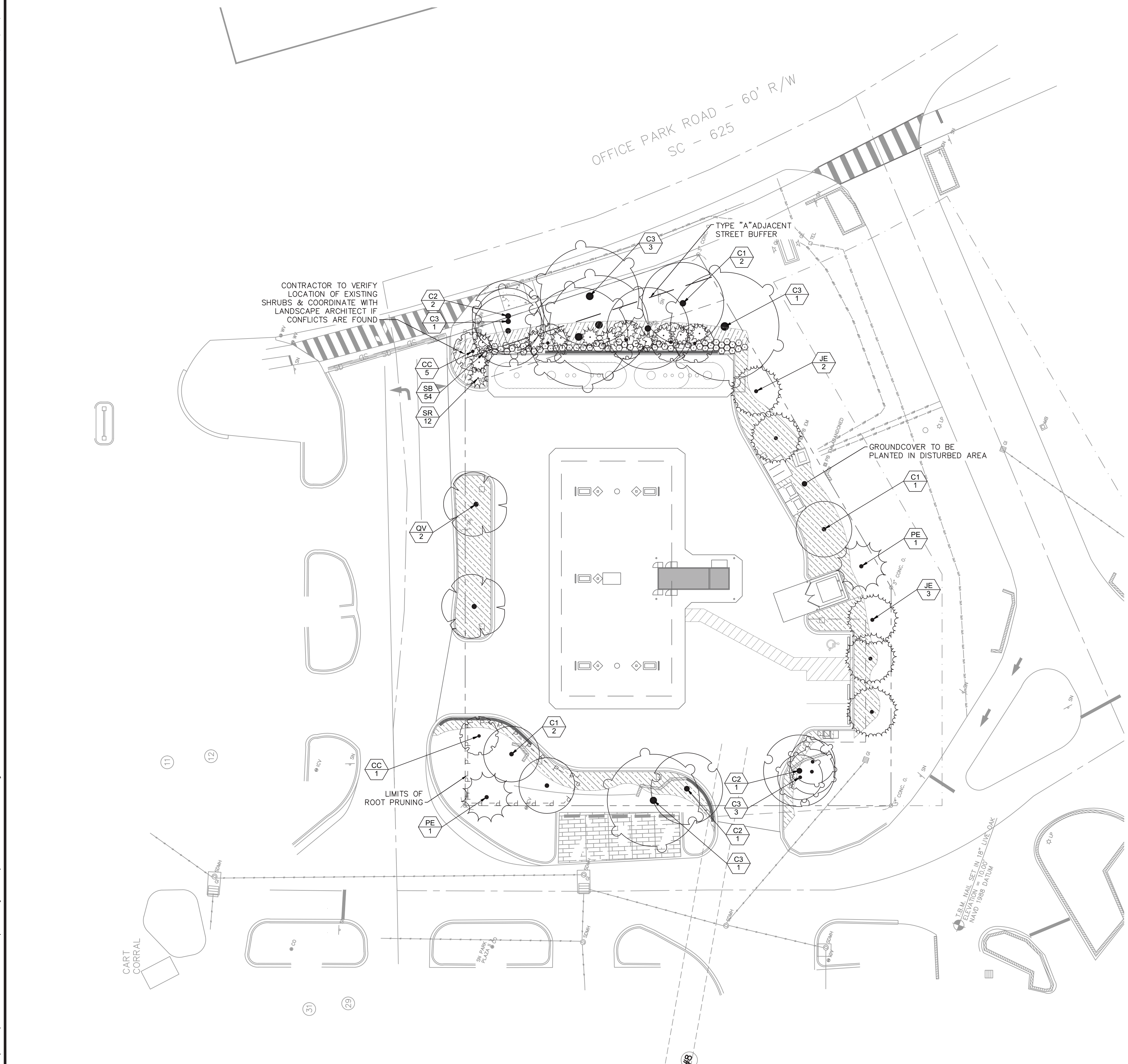
TITLE: TREE PROTECTION PLAN

DESIGNED BY: JRN
DRAWN BY: JRN
CHECKED BY: MFJ
DATE: 11/27/2019
PROJECT#: 015640134

C5-0

November 27, 2019 - 12:40pm By: Megan.Fitzsimmons

K:\CHL_PRJ\015640 harris teeter\134 sea pines hilton head sc fuel center\02 - DWG\plansheets\C5-0 LANDSCAPE PLAN-134.dwg



PLANT SCHEDULE EXISTING TREES

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME
	C1	5	CATEGORY I: Existing Tree	
	C2	4	CATEGORY II: Exisiting Tree	
	C3	9	CATEGORY III: Exisiting Tree	

PLANT SCHEDULE PROPOSED TREES

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	METHOD
	JE	5	Eastern Red Cedar (C3)	Juniperus virginiana	F.G., B & B
	CC	6	Crepe Myrtle (C4)	Lagerstroemia indica	F.G., B & B
	PE	2	Short Leaf Pine (C3)	Pinus echinata	F.G., B & B
	QV	2	Southern Live Oak (C1)	Quercus virginiana	F.G., B & B

PLANT SCHEDULE SHRUBS AND GROUNDCOVER

SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE
	SR	12	Saw Palmetto	Serenoa repens	3 GAL. 36" MIN HEIGHT
	SB	54	Sand Cordgrass	Spartina bakeri	3 GAL. 36" MIN HEIGHT
GROUND COVERS	**CODE**	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**SIZE**
	AS	4,018 sf	Wild Ginger	Asarum speciosum `Buxom Beauty`	PLUG

NOTE

ALL OF THE EXISTING TREE CANOPY SIZES REFLECT THE EXTENTS OF EACH TREE'S CRITICAL ROOT ZONE/ DRIP LINE.

LANDSCAPE REQUIREMENTS

	REQUIRED	PROVIDED
Redevelopment of Existing Site Requirements: Replacement by Category per city code section 16.6.104.I.3.A Trees that are removed shall be replaced at the rate of one tree for every ten tree inches removed per tree category	Category I: 17" being removed, so **2 Trees** required	2 Trees, 10' in height
	Category III: 68" being removed, so **7 Trees** required	7 Trees, 6' in height
	Category IV: 6" being removed, so **1 Trees** required	1 Tree, 6' in height
	REQUIRED	**PROVIDED**
Buffer Requirements (per Table 16-5-103.F: BUFFER TYPES)	**Buffer Type A (Option 2) applied** Overstory trees : 2 every 100 linear feet Understory trees : 4 every 100 linear feet Evergreen shrubs: 10 every 100 linear feet	**Office Park Road: 120' Length- ~25 Width** 4 Overstory Trees (All existing) 5 Understory Trees (Proposed) 12 Evergreen Shrubs (Proposed)

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PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: TREE REPLACEMENT PLAN

DESIGNED BY: JRN
DRAWN BY: JRN
CHECKED BY: MFJ
DATE: 11/27/2019
PROJECT#: 015640134

C5-1

LANDSCAPE NOTES:

1. ALL LANDSCAPED AREAS ARE TO RECEIVE 4" OF TOP SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED PER EARTHWORK SPECIFICATIONS.
2. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
3. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST.
4. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
5. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
6. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
9. CONTRACTOR IS RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
10. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN UNTIL FINAL ACCEPTANCE , CERTIFICATE OF OCCUPANCY, OR A MOWABLE STAND OF GRASS IS ACHIEVED, WHICHEVER IS LAST.
11. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED OF ONE YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.
12. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
13. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
14. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" (MOST CURRENT EDITION) REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
15. ALL MULCH AREAS AROUND TREES (4' DIAMETER, TYP.) ARE TO BE COMPLETELY COVERED WITH MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
16. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
17. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
18. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS.
19. LARGE MATURING TREES MAY NOT BE PLANTED WHERE OVERHEAD DISTRIBUTION OR TRANSMISSION LINES EXIST. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CALL THE OWNER TO RESOLVE BEFORE PLANTING.
20. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE PROJECT LANDSCAPE ARCHITECT.
21. ALL PLANT LOCATIONS SHALL BE STAKED IN THE FIELD FOR APPROVAL BY PROJECT LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
22. ALL PROPOSED TREES WITHIN SIGHT TRIANGLES AND ALONG ROADWAYS TO BE LIMBED UP TO CLEAR SIGHT OBSTRUCTION.
23. ALL DISTURBED AREAS TO BE SODDED WITH A GRASS SPECIES THAT MATCHES THE ADJACENT GRASS OR FULLY LANDSCAPED.

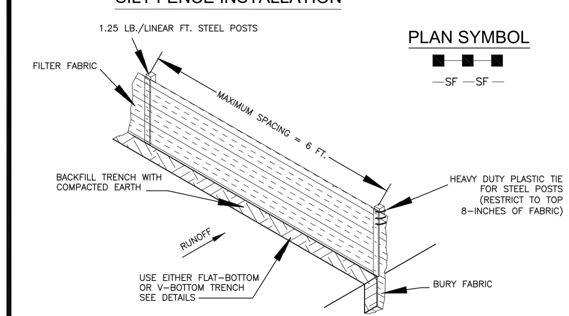
ROOT PRUNING/TRENCHING:

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT. TRENCHING EQUIPMENT SELECTED SHALL BE EQUIVALENT TO A DOSKO ROOT CUTTER. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF TWELVE (12) WEEKS PRIOR TO TREE RELOCATION.
6. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

FERTILIZATION:

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
   a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
   b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
   c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
   d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
   e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
   f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.
5. TRANSPLANT INOCULANT & BIOSTIMULANT.
   a. CONTRACTOR SHALL PROVIDE MYCORRHIZAL TRANSPLANT INOCULANT ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND AS RECOMMENDED BY THE PROJECT ARBORIST. MIX INOCULANT IN 10" WIDE TOPSOIL RING AROUND THE ROOT BALL.
   b. CONTRACTOR SHALL PROVIDE INJECTABLE MYCORRHIZAL INOCULANT ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND AS RECOMMENDED BY THE PROJECT ARBORIST. AGITATE FOR 10 MINUTES.
   c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
   d. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY PROJECT ARBORIST PRIOR TO DISPOSAL.
7. TRANSPLANT MAINTENANCE
   a. APPROXIMATELY ONE YEAR AFTER PLANTING, THE CONTRACTOR SHALL REFERTILIZE ALL TRANSPLANTS UTILIZING THE SAME PROCEDURES ABOVE.

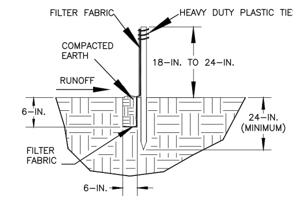
SILT FENCE INSTALLATION



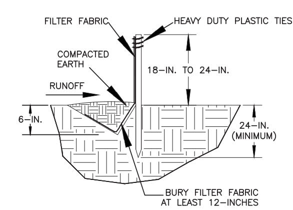
PLAN SYMBOL

—SF —SF —

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



SILT FENCE – GENERAL NOTES

1. Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
2. Maximum sheet or overland flow path length to the silt fence shall be 100–feet.
3. Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
4. Silt fence joints, when necessary, shall be completed by one of the following options:
   – Wrap each fabric together at a support post with both ends fastened to the post, with a 1–foot minimum overlap;
   – Overlap silt fence by installing 3–feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy–duty plastic ties; or,
   – Overlap entire width of each silt fence roll from one support post to the next support post.
5. Attach filter fabric to the steel posts using heavy–duty plastic ties that are evenly spaced within the top 8–inches of the fabric.
6. Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.
7. Install Silt Fence Checks (Tie–Backs) every 50–100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC–03 Page 1 of 2

NOT TO SCALE — FEBRUARY 2014 DATE

SILT FENCE – POST REQUIREMENTS

1. Silt Fence posts must be 48–inch long steel posts that meet, at a minimum, the following physical characteristics.
   – Composed of a high strength steel with a minimum yield strength of 50,000 psi.
   – Include a standard "T" section with a nominal face width of 1.38–inches and a nominal "T" length of 1.48–inches.
   – Weigh 1.25 pounds per foot (± 8%)
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17–square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
4. Install posts to a minimum of 24–inches. A minimum height of 1– to 2–inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
5. Post spacing shall be at a maximum of 6–feet on center.

SILT FENCE – FABRIC REQUIREMENTS

1. Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
   – Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
   – Free of any treatment or coating which might adversely alter its physical properties after installation;
   – Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
   – Have a minimum width of 36–inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12–inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24–inches above the ground.

SILT FENCE – INSPECTION & MAINTENANCE

1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24–hours after each rainfall even that produces 1/2–inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie–backs and/or reinstall silt fence, as necessary.
7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

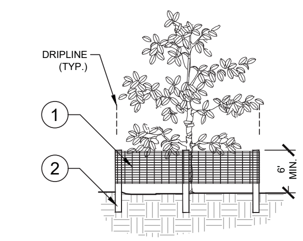
South Carolina Department of Health and Environmental Control

SILT FENCE

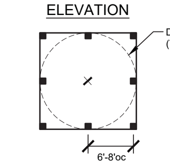
STANDARD DRAWING NO. SC–03 PAGE 2 of 2

GENERAL NOTES — FEBRUARY 2014 DATE

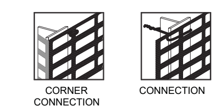
TREE PROTECTION FENCING



ELEVATION



PLAN



1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

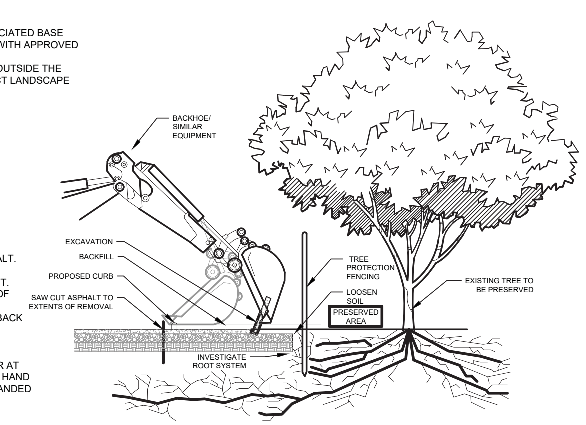
A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

1 TM-150 TREE PROTECTION FENCING — ELEVATION / PLAN — NTS — 146-447-000-18

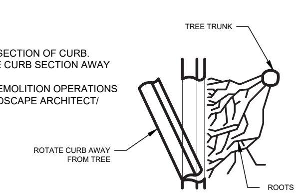
NOTES:
CONTRACTOR TO REMOVE ASPHALT AND ASSOCIATED BASE MATERIAL TO EXISTING SOIL DEPTH. BACKFILL WITH APPROVED SOIL MIXTURE.
ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST PRIOR TO DEMOLITION.

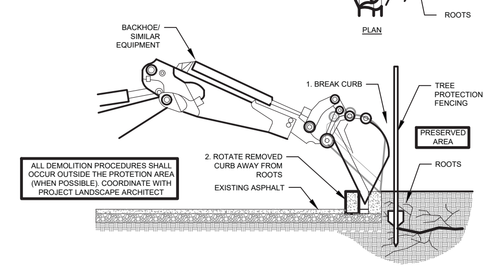
SEQUENCE:
1. INSTALL PROTECTION FENCE.
2. SAW-CUT A LINEAR SECTION OF ASPHALT.
3. CAREFULLY EXCAVATE PAVING TO SUB-GRADE BY PEELING BACK ASPHALT.
4. INVESTIGATE TO DETERMINE EXTENT OF ROOT SYSTEM.
   a. NO ROOT GROWTH- EXCAVATE FROM BACK OF CURB TO EXTENT OF PROPERTY IMPROVEMENTS.
   b. ROOT GROWTH- ROOT PRUNE PER
   c. PLAN. INSTALL A 20 MIL ROOT BARRIER AT ROOT PRUNE LINE. LOOSEN SOIL WITH HAND TOOLS THROUGHOUT EXTENT OF EXPANDED PLANTING AREA.



PAVEMENT DEMOLITION PROCEDURE

SEQUENCE:
1. BREAK OR CUT A 6' SECTION OF CURB.
2. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
3. COORDINATE ALL DEMOLITION OPERATIONS WITH PROJECT LANDSCAPE ARCHITECT/ ARBORIST.





CURB DEMOLITION PROCEDURE

2 TM-150 PAVEMENT DEMOLITION PROCEDURE — NTS — 146-447-000-26

South Carolina 811 — Call 811 Before You Dig

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SOUTH CAROLINA PROFESSIONAL ENGINEER — MARGARET JONES — No. 36311 — 11/27/19

SOUTH CAROLINA — KIMLEY-HORN AND ASSOCIATES, INC — CERTIFICATE OF AUTHORIZATION — No. C00166

NO.	DATE	REVISIONS

CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
30 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: EROSION CONTROL AND LANDSCAPING DETAILS

DESIGNED BY:	JRN
DRAWN BY:	JRN
CHECKED BY:	MFJ
DATE:	11/27/2019
PROJECT#:	015640134

C6-0

November 27, 2019 – 12:40pm By: Megan.Fitzsimmons

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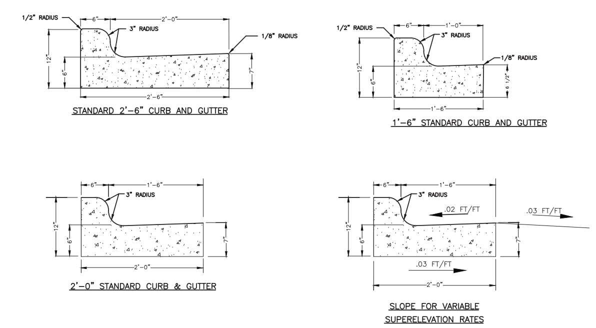
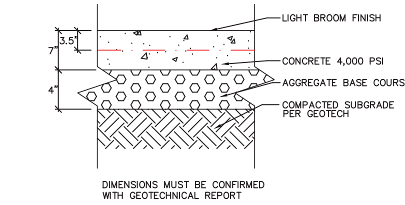


NOT TO SCALE

STANDARD CURB AND GUTTER



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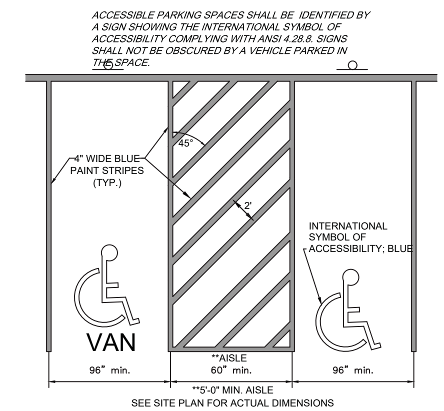
HEAVY DUTY CONCRETE PAVEMENT



SEE ACCESSIBLE PARKING AND SIGNAGE STANDARDS FOR SIGNAGE

NOTE: ONE IN EIGHT ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE, BUT NOT LESS THAN ONE.

ACCESSIBLE PARKING MARKINGS

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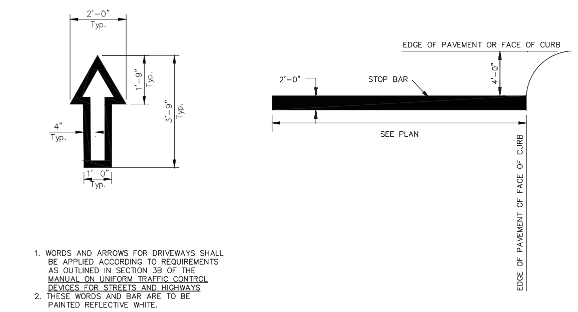

1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS
2. THESE WORDS AND BAR ARE TO BE PAINTED REFLECTIVE WHITE.

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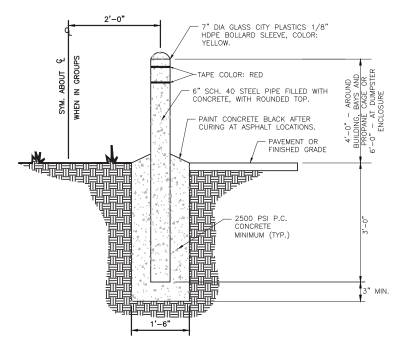
PAVEMENT MARKINGS



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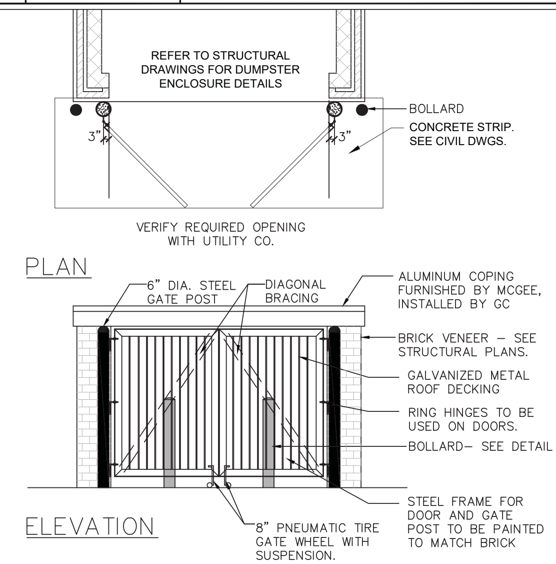
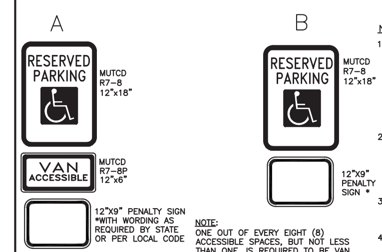
6" DIA CONCRETE PIPE BOLLARD, AND BOLLARD SLEEVE DETAIL



DUMPSTER DETAILS



NOTE: ONE OUT OF EVERY EIGHT (8) ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, IS REQUIRED TO BE VAN ACCESSIBLE.

NOTES:

1. ALL 12"x18" ACCESSIBLE SIGNS (R7–8 & R7–1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
2. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION AND THE U.S. ACCESS BOARD GUIDELINES AND STANDARDS.
3. IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMPS ARE REQUIRED AT LOADING ZONE AREA.
4. SIGNAGE MUST NOT OBSTRUCT ACCESSIBLE ROUTE OR RAMPS.

ACCESSIBLE SIGNAGE STANDARDS

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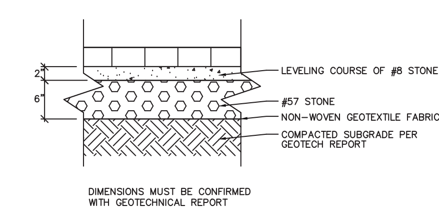

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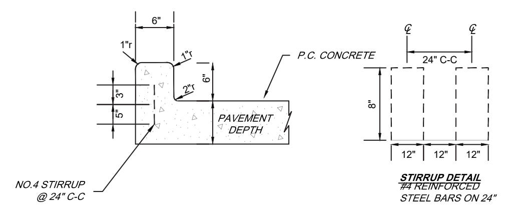
PERMEABLE PAVER DESIGN



NOTE:

CONCRETE PAVING SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

1. 4000 PSI COMPRESSIVE STRENGTH @ 28 DAYS.
2. CONTRACTION JOINTS SHALL BE PLACED @ 10'-0" O.C. TOOLED 1/4" (±1/16") WIDE, 1" DEEP. EXPANSION JOINTS SHALL BE PLACED @ 40'-0" INTERVALS, MAXIMUM, AND ALL P.C.'S.
3. CONCRETE PAVING SHALL HAVE A LIGHT BROOM FINISH.
4. CURING COMPOUND SHALL BE APPLIED.

INTEGRATED CONCRETE CURB

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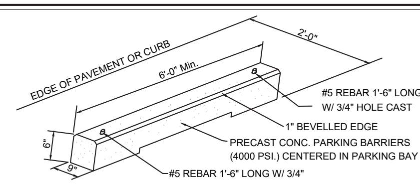

CONCRETE WHEEL STOP

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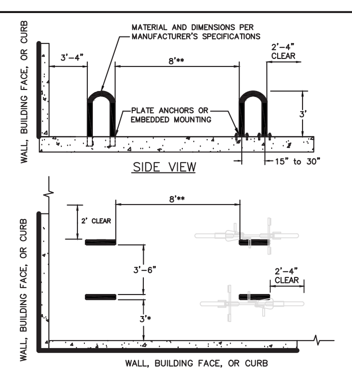
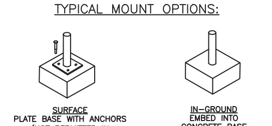


- * 5' MINIMUM SEPARATION FROM CURB FACE WHEN INSTALLED ADJACENT TO A CURB WITH "HEAD-IN" AUTOMOBILE PARKING
- ** MEASURED FROM NEAREST VERTICAL COMPONENT OF NEIGHBORING RACK

NOTES:

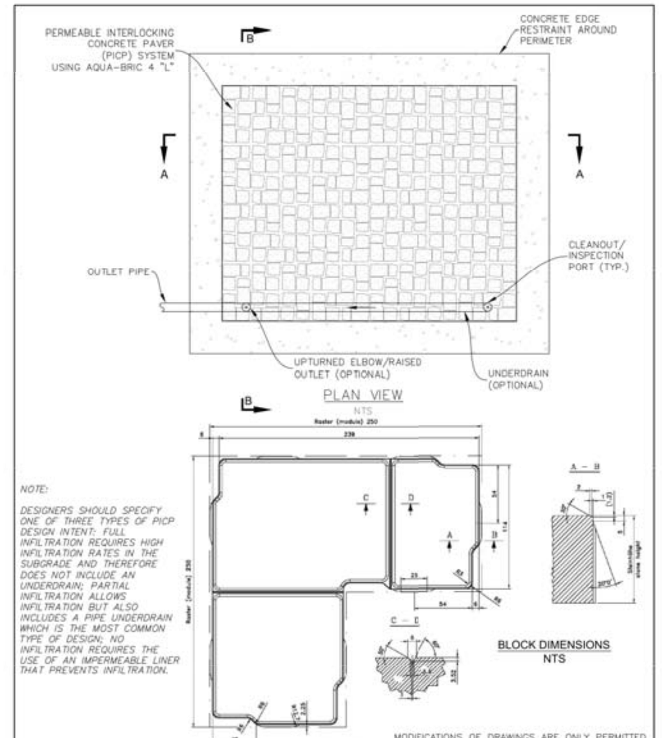
1. BIKE RACK GENERAL REQUIREMENTS:
   - SHOULD SUPPORT THE BICYCLE UPRIGHT WITHOUT PUTTING STRESS ON THE WHEELS
   - SHOULD ACCOMODATE A VARIETY OF BICYCLES AND ATTACHMENTS
   - SHOULD ALLOW LOCKING OF FRAME AND AT LEAST ONE WHEEL WITH U-LOCK
   - SHOULD PROVIDE SECURITY AND LONGEVITY FEATURES APPROPRIATE FOR THE INTENDED LOCATION
   - SHOULD BE INTUITIVE
2. BIKE RACKS SHOULD BE INSTALLED PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.
3. ALTERNATIVE BIKE RACKS OR LOCKERS MAY BE USED BUT ARE SUBJECT TO APPROVAL OF THE TOWN OF HILTON HEAD.
4. ALL DIMENSIONS SHOWN ARE MINIMUM.
5. RACK MUST BE CANE DETECTABLE. RACK AND CLEARANCES SHOWN ARE TO BE OUTSIDE THE PEDESTRIAN ACCESSIBLE ROUTE.
6. "U" RACK MATERIAL SHOULD HAVE A BRONZE FINISH.

TYPICAL MOUNT OPTIONS:



NOT TO SCALE

INVERTED "U" RACK FOR BICYCLE PARKING

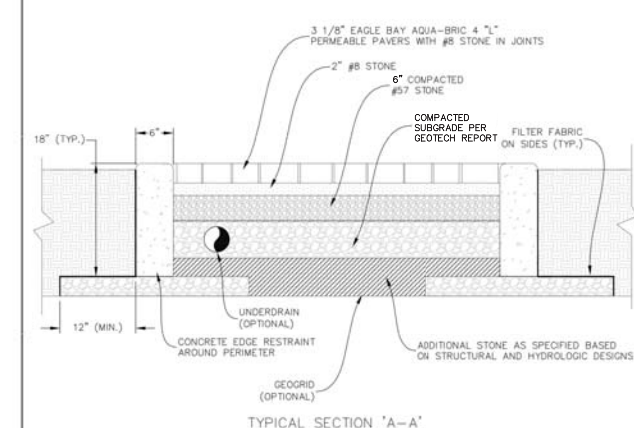


NOTE:

DESIGNERS SHOULD SPECIFY ONE OF THREE TYPES OF PICP DESIGN INTENT: FULL INFILTRATION REQUIRES HIGH INFILTRATION RATES IN THE SUBGRADE AND THEREFORE DOES NOT INCLUDE AN UNDERDRAIN; PARTIAL INFILTRATION ALLOWS INFILTRATION BUT ALSO INCLUDES A PIPE UNDERDRAIN WHICH IS THE MOST COMMON TYPE OF DESIGN; NO INFILTRATION REQUIRES THE USE OF AN IMPERMEABLE LINER THAT PREVENTS INFILTRATION.

MODIFICATIONS OF DRAWINGS ARE ONLY PERMITTED BY WRITTEN AUTHORIZATION FROM EAGLE BAY

SWM PAVE EAGLE BAY STORMWATER SYSTEM | DATE: 05-01-15 | DWG: 1 OF 14 | SWM PAVE STANDARD DESIGN



TYPICAL SECTION 'A-A'

NTS

MODIFICATIONS OF DRAWINGS ARE ONLY PERMITTED BY WRITTEN AUTHORIZATION FROM EAGLE BAY

SWM PAVE EAGLE BAY STORMWATER SYSTEM | DATE: 05-01-15 | DWG: 2 OF 14 | EAGLE BAY AQUA-BRIC TYPE 4 "L" PERMEABLE PAVERS STANDARD DESIGN PROFILE

South Carolina 811 Call 811 Before You Dig

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CHARLOTTE, NC 28202
PHONE: (704) 333-5131
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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36311 MARGARET JONES 11/27/19

SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC No. C00166 CERTIFICATE OF AUTHORIZATION

REVISIONS | DATE | NO.

CLIENT: HARRIS TEETER

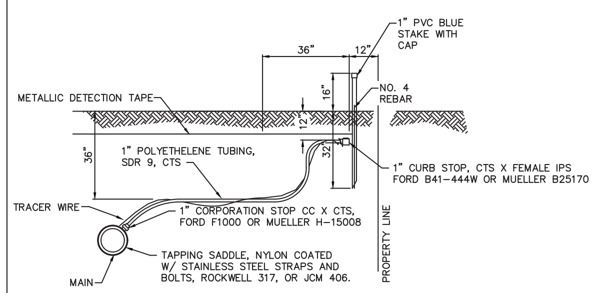
PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
33 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: SITE DETAILS

DESIGNED BY: JRN
DRAWN BY: JRN
CHECKED BY: MFJ
DATE: 11/27/2019
PROJECT#: 015640134

C6-3

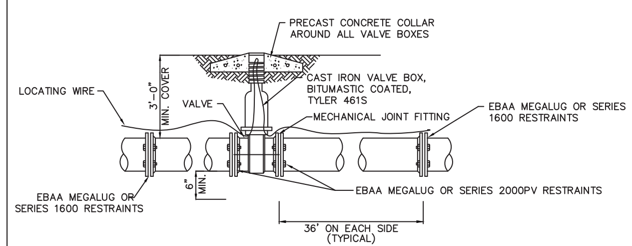
November 27, 2019 – 12:41pm By: Megan.Fitzsimmons



1" WATER SERVICE CONNECTION DETAIL

NOT TO SCALE

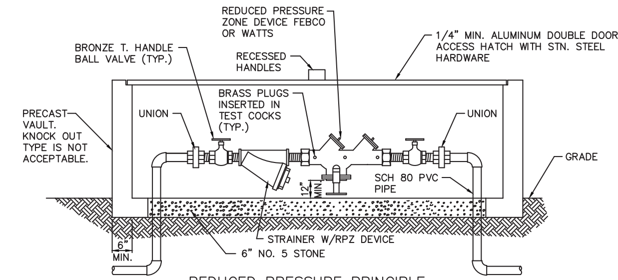
HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
1" WATER SERVICE CONNECTION DETAIL
APPROVED BY: LC | DATE: Feb. 1997 | DRAWING NO. VIII-1
SCALE: NTS | REVISED: Jan. 2001



GATE VALVE SETTING DETAIL

NOT TO SCALE

HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
GATE VALVE SETTING DETAIL
APPROVED BY: LC | DATE: Feb. 1997 | DRAWING NO. VIII-3
SCALE: NTS | REVISED: JAN. 2001



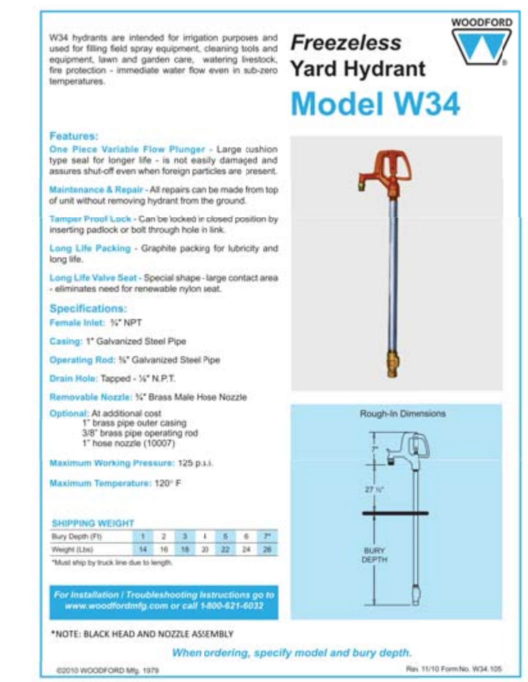
REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR – 2 1/2" AND SMALLER

NOT TO SCALE

NOTES:

1. MIN. WIDTH OF BOX 4' INSIDE.
2. POURED CONCRETE OR PRECAST CONCRETE BOX, KNOCK-OUT TYPE IS NOT ACCEPTABLE
3. WHERE A POSITIVE DRAIN (NO SURCHARGING) IS AVAILABLE, A FLOOR DRAIN WITH A 2" SLOPED CONCRETE BOTTOM MAY BE USED AND VAULT AND THE VAULT CAN BE INSTALLED WITH THE TOP 2" ABOVE GRADE.
4. IF SUBJECT TO TRAFFIC PROVIDE A HEAVIER DOOR.

HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR – 2 1/2" AND SMALLER
APPROVED BY: LC | DATE: Feb. 1997 | DRAWING NO. VIII-9
SCALE: NTS | REVISED: XXXXXXX



W34 hydrants are intended for irrigation purposes and used for filling field spray equipment, cleaning tools and equipment, lawn and garden care, watering livestock, fire protection - immediate water flow even in sub-zero temperatures.

Freezeless Yard Hydrant

Model W34

WOODFORD

Features:

One Piece Variable Flow Plunger - Large cushion type seal for longer life - is not easily damaged and assures shut-off even when foreign particles are present.

Maintenance & Repair - All repairs can be made from top of unit without removing hydrant from the ground.

Tamper Proof Lock - Can be locked in closed position by inserting padlock or bolt through hole in link.

Long Life Packing - Graphite packing for lubricity and long life.

Long Life Valve Seat - Special shape - large contact area - eliminates need for renewable nylon seat.

Specifications:

Female Inlet: ¾" NPT

Casing: 1" Galvanized Steel Pipe

Operating Rod: ⅜" Galvanized Steel Pipe

Drain Hole: Tapped - ⅛" N.P.T.

Removable Nozzle: ¾" Brass Male Hose Nozzle

Optional: At additional cost
1" brass pipe outer casing
3/8" brass pipe operating rod
1" hose nozzle (10007)

Maximum Working Pressure: 125 p.s.i.

Maximum Temperature: 120° F

Rough-In Dimensions

SHIPPING WEIGHT

Bury Depth (Ft)	1	2	3	4	5	6	7*
Weight (Lbs)	14	16	18	20	22	24	26

*Must ship by truck line due to length

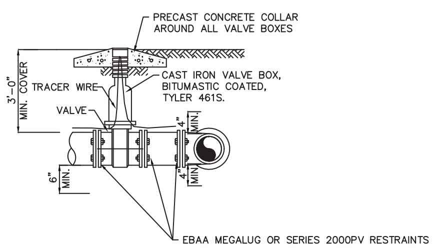
For Installation / Troubleshooting Instructions go to www.woodfordmfg.com or call 1-800-621-6032

*NOTE: BLACK HEAD AND NOZZLE ASSEMBLY

When ordering, specify model and bury depth.

©2010 WOODFORD Mfg. 1979 | Rev. 11/10 Form No. W34 105

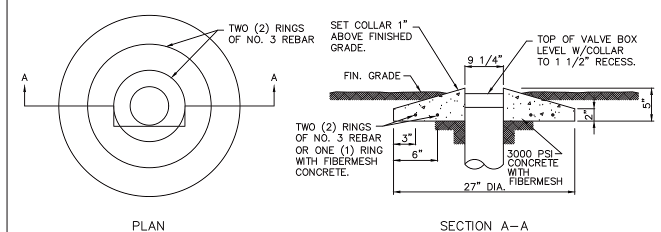
NOTE:
1.) ALL FITTINGS SHALL BE MECHANICAL JOINTS.
2.) TRACER WIRE SHALL BE LOOPED TO THE TOP OF THE VALVE BOX.



VALVE & TEE SETTING DETAIL

NOT TO SCALE

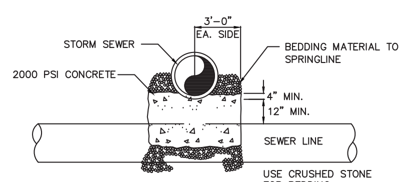
HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
VALVE & TEE SETTING DETAIL
APPROVED BY: LC | DATE: Feb. 1997 | DRAWING NO. VIII-4
SCALE: NTS | REVISED: JAN. 2001



PRECAST CONCRETE COLLAR DETAIL

NOT TO SCALE

HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
PRECAST CONCRETE COLLAR DETAIL
APPROVED BY: LC | DATE: Feb. 1997 | DRAWING NO. VIII-6
SCALE: NTS | REVISED: XXXXXXX

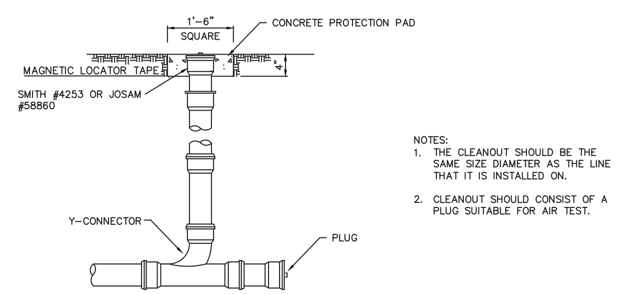


STORM SEWER CROSSING DETAIL

NOT TO SCALE

NOTE:
FULL JOINT OF DUCTILE IRON PIPE, CENTERED AT CROSSING

HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
STORM SEWER CROSSING DETAIL
APPROVED BY: XXXXXXX | DATE: Feb. 1997 | DRAWING NO. XII-3
SCALE: NTS | REVISED: XXXXXXX

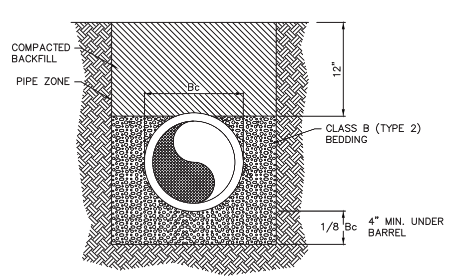


CLEANOUT DETAIL

NOT TO SCALE

NOTES:
1. THE CLEANOUT SHOULD BE THE SAME SIZE DIAMETER AS THE LINE THAT IT IS INSTALLED ON.
2. CLEANOUT SHOULD CONSIST OF A PLUG SUITABLE FOR AIR TEST.

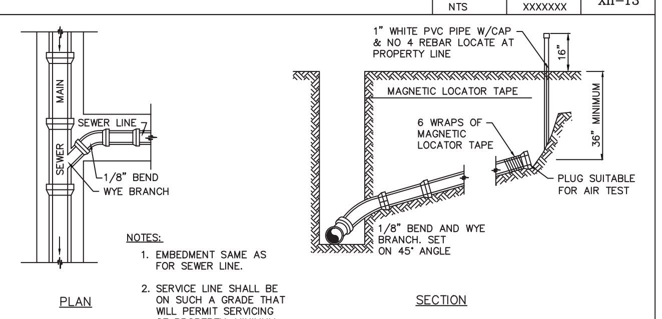
HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
CLEANOUT DETAIL
APPROVED BY: LC | DATE: JULY 2000 | DRAWING NO. XII-13
SCALE: NTS | REVISED: XXXXXXX



BEDDING FOR PVC GRAVITY SEWER PIPE

NOT TO SCALE

HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
BEDDING FOR PVC GRAVITY SEWER PIPE
APPROVED BY: XXXXXXX | DATE: Feb. 1997 | DRAWING NO. XII-1
SCALE: NTS | REVISED: XXXXXXX



NOTES:
1. EMBEDMENT SAME AS FOR SEWER LINE.
2. SERVICE LINE SHALL BE ON SUCH A GRADE THAT WILL PERMIT SERVICING OF PROPERTY. MINIMUM GRADE SHALL BE 1.0% MAXIMUM GRADE SHALL BE 50%
3. NO VERTICAL STACKING WILL BE ALLOWED.

SEWER SERVICE CONNECTION DETAIL

NOT TO SCALE

HILTON HEAD NO. 1 PUBLIC SERVICE DISTRICT
SEWER SERVICE CONNECTION DETAIL
APPROVED BY: XXXXXXX | DATE: Feb. 1997 | DRAWING NO. XII-10
SCALE: NTS | REVISED: XXXXXXX

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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 36311 MARGARET JONES
11/27/19

KIMLEY-HORN AND ASSOCIATES, INC No. C00166 CERTIFICATE OF AUTHORIZATION SOUTH CAROLINA

NO. | DATE | REVISIONS

CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 SEA PINES
30 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: UTILITY DETAILS

DESIGNED BY: JRN
DRAWN BY: JRN
CHECKED BY: MFJ
DATE: 11/27/2019
PROJECT#: 015640134

C6-4

November 27, 2019 – 12:41pm By: Megan.Fitzsimmons

K:\CHL_PRJ\015640 harris teeter\134 sea pines hilton head sc fuel center\02 – DWG\plansheets\C6-4 UTILITY DETAILS-134.dwg

GENERAL NOTES:

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY AND CONSTRUCTION PROCEDURES.
2. SEE CIVIL SHEETS FOR THE LOCATION OF STRUCTURAL ELEMENTS, WALL EXTENTS, TOP OF WALL ELEVATIONS, BOTTOM OF WALL ELEVATIONS, SITE FEATURES, UNDERGROUND UTILITIES AND SITE WORK LOCATIONS. VERIFY LOCATIONS FOR ALL UNDERGROUND UTILITIES BEFORE PROCEEDING WITH FOUNDATION EXCAVATION.
3. CONTRACTOR SHALL PROVIDE CONTINUOUS CONTROL OF SURFACE AND UNDERGROUND WATER AS REQUIRED DURING CONSTRUCTION SUCH THAT THE WORK IS DONE IN THE DRY.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC.
5. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
6. NOTIFY THE ENGINEER IMMEDIATELY OF ANY EXISTING FOUNDATION CONDITIONS OR DETAILS THAT ARE IN CONFLICT WITH THOSE INDICATED AND SHOWN IN THE DRAWINGS.
7. REFER TO THE ENGINEER FOR INSTRUCTION FOR ANY DIMENSION NOT GIVEN ON DRAWINGS. SCALING OF DRAWINGS SHALL NOT BE USED TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THE DRAWINGS.

FOUNDATIONS:

1. GEOTECHNICAL RECOMMENDATIONS ARE CONTAINED IN THE REPORT OF GEOTECHNICAL EXPLORATION & ENGINEERING ANALYSIS BY ECS SOUTHEAST, LLP DATED MARCH 13, 2019. THE SITE SPECIFIC SOIL PARAMETERS PROVIDED BY THE GEOTECHNICAL REPORT ARE AS FOLLOWS:

NET ALLOWABLE BEARING PRESSURE	2,500 PSF
UCS SOIL TYPE	SM-SP
SOIL MOIST UNIT WEIGHT	120 PCF
SOIL FRICTION ANGLE	28
SEISMIC SITE CLASSIFICATION	E

2. CONTRACTOR SHALL ENGAGE A GEOTECHNICAL TESTING LABORATORY LICENSED IN THE STATE OF THE PROJECT TO CONFIRM SOIL PREPARATION AND SPECIFY PROCEDURES AND SPECIFY COMPACTION REQUIREMENTS NECESSARY TO OBTAIN THE DESIGN SOIL PROPERTIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ENGINEER OF RECORD IF ASSUMED SOIL PROPERTIES CANNOT BE OBTAINED ON SITE.
3. LIGHT POLE FOUNDATION EXCAVATION SHALL BE BY AUGER IN UNDISTURBED OR PROPERLY COMPACTED FILL

CAST-IN-PLACE CONCRETE:

1. READY-MIX CONCRETE WORK SHALL CONFORM TO ASTM C94.
2. STRUCTURAL CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING:
   a. TYPE II PORTLAND CEMENT – ASTM C150
   b. AGGREGATES (3/4" MAX.) – ASTM C33
   c. AIR ENTRAINING (4.5% MIN. – 7% MAX.) – ASTM C260
   d. WATER REDUCING – ASTM C494
   e. FLY ASH (MAX 25% BY WEIGHT), TYPE F – ASTM C618
   f. WATER – CLEAN AND POTABLE
   g. REINFORCING STEEL: ASTM A615 GRADE 60
   h. WELDED WIRE FABRIC: ASTM A1064.
   i. GROUT SHALL BE NON-SHRINK, NON-METALLIC
   j. USE OF CALCIUM CHLORIDE IS NOT PERMITTED
3. STRUCTURAL CONCRETE MIX SHALL CONFORM TO THE FOLLOWING:
   a. CONCRETE MIXES AND EXPOSURE CLASS ACCORDING TO ACI 318:
      1. FOUNDATIONS 4,000 PSI CLASS F0
      2. WALLS 4,500 PSI AIR-ENTRAINED CLASS F2
   b. MAXIMUM WATER-TO-CEMENT RATIO: 0.45
4. REQUIRED SLUMP: 2" TO 4" (BEFORE ADDITION OF SUPERPLASTICIZER)
5. ALL CONCRETE MATERIALS, PLACING AND HANDLING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318 AND ACI 301. CONCRETE WORK SHALL CONFORM TO THE CURRENT VERSION OF ACI 318.
6. SUBMITTALS:
   a. DETAILED SHOP DRAWINGS OF REINFORCING BARS SHOWING NUMBER, SIZE, AND LOCATION. INCLUDED BAR LISTS AND BEND DIAGRAMS.
   b. MIX DESIGNS FOR EACH TYPE OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR APPROVAL.
   c. PRODUCT DATA AND MATERIAL CERTIFICATES.
7. CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCH TIME.
8. ALL CONCRETE SHALL BE CONSOLIDATED IN PLACE USING INTERNAL VIBRATORS.
9. CAST-IN-PLACE CONCRETE SHALL BE CONTINUOUSLY CURED FOR 7 DAYS FOLLOWING INITIAL SET.
10. CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS:
    a. APPLY A LIQUID MEMBRANE FORMING CHEMICAL CURING COMPOUND IN ACCORDANCE WITH ASTM C309.
    b. WET CURE IN ACCORDANCE WITH ACI 301.
11. REMOVE LIQUID MEMBRANE FORMING CHEMICAL CURING COMPOUND AFTER CURING PERIOD HAS ELAPSED. REMOVE CURING COMPOUND WITHOUT DAMAGING CONCRETE SURFACES BY METHOD RECOMMENDED BY CURING COMPOUND MANUFACTURER UNLESS MANUFACTURER CERTIFIES CURING COMPOUND DOES NOT INTERFERE WITH BONDING OF FLOOR COVERING, SEALERS, STRIPING, COATINGS, PAVEMENT MARKINGS, ETC. WHICH MAY BE USED ON PROJECT.
12. ALL EXPOSED CONCRETE SHALL HAVE A RUBBED SURFACE FINISH. IMMEDIATELY AFTER REMOVING THE FORMS, ALL HONEYCOMB, VOIDS, AND OTHER SURFACE DEFECTS AND IRREGULARITIES SHALL BE GROUTED. THE SURFACES SHALL THEN BE THOROUGHLY DAMPENED AND RUBBED WITH A NO. 16 CARBORUNDUM STONE OR EQUAL ABRASIVE TO CREATE A UNIFORM SURFACE PASTE. THE RUBBING SHALL BE CONTINUED TO REMOVE ALL FORM MARKS AND SURFACE IRREGULARITIES PRODUCING A SMOOTH, DENSE SURFACE. AFTER CURING, THE SURFACE SHALL THEN BE RUBBED WITH A NO. 30 CARBORUNDUM STONE UNTIL THE SURFACE IS SMOOTH IN TEXTURE AND UNIFORM IN COLOR. REMOVE ALL LATHER, POWDER, AND DUST ON RUBBED SURFACES.
13. DETAILING OF REBAR SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE ACI DETAILING MANUAL AND CONCRETE REINFORCING INSTITUTE'S LATEST EDITION OF "MANUAL OF STANDARD PRACTICE". ALL SHOP DRAWINGS PERTAINING TO REBAR DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
14. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
15. REINFORCEMENT DETAIL DIMENSIONS SHALL BE OUT-TO-OUT OF BARS.
16. ACI STANDARD HOOKS SHALL BE USED UNLESS OTHERWISE NOTED.
17. ALL CONTINUOUS BARS SHALL HAVE CLASS "B" TENSION LAP SPLICES.

CAST-IN-PLACE CONCRETE (CONT.)

18. ALL LAP AND SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 318 AND CRSI STANDARD PRACTICES, EXCEPT AS OTHERWISE NOTED.
19. PROVIDE 3" CONCRETE COVER OVER REINFORCING BARS EXCEPT AS OTHERWISE NOTED.
20. BARS SHALL BE FIELD TIED. WELDING IS NOT PERMITTED.
21. SUPPORT REINFORCEMENT IN ITS PROPER LOCATION FROM THE FORMWORK DURING CONCRETE OPERATION.
22. BAR SUPPORTS, DESIGN, DETAILING, FABRICATION, AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE).
23. PROVIDE ¾" CHAMFERS AT ALL EXPOSED EDGES OF CONCRETE SURFACES.
24. FORM TIES AND REINFORCING BAR SUPPORTS SHALL BE OF NON-CORROSIVE MATERIAL INCLUDING, BUT NOT LIMITED TO, FIBERGLASS, PLASTIC, AND/OR CONCRETE BLOCK.
25. CONTRACTOR IS RESPONSIBLE FOR THE PROPER DESIGN AND CONSTRUCTION OF ALL FORMWORK AND SHORING. DESIGN SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE IN WHICH WORK IS PERFORMED.
26. THE GENERAL CONTRACTOR SHALL ASSIST AND COOPERATE WITH AN INDEPENDENT TESTING LABORATORY WHICH SHALL CONDUCT ALL THE SPECIFIED TESTS REQUIRED FOR THE CONCRETE WORK AND REPORT THE RESULTS OF THIS TESTING DIRECTLY AND PROMPTLY TO THE ENGINEER FOR REVIEW.
27. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING:

    FOR EACH 150 CUBIC YARDS OR FRACTION THEREOF PLACED, 5,000 SQUARE FEET OF SURFACE AREA, OR EACH PLACEMENT OF EACH MIX DESIGN OF CONCRETE PLACED IN ANY ONE DAY, THE FOLLOWING SHALL BE PERFORMED:

    SLUMP: TEST IN ACCORDANCE WITH ASTM C143

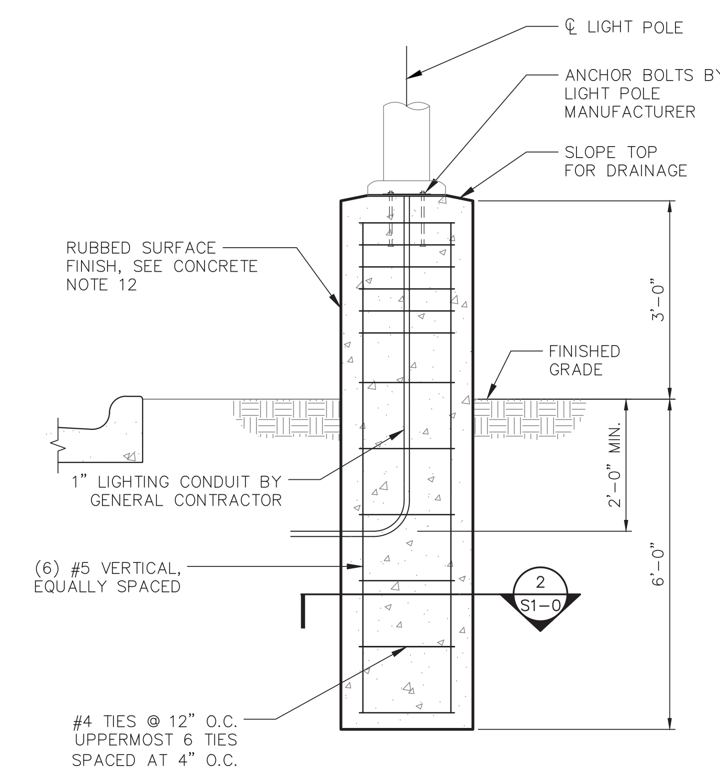
    AIR CONTENT: TEST IN ACCORDANCE WITH ASTM C231 OR C173.

    COMPR. STRENGTH: FABRICATE ONE SET OF (5) 6x12 CYLINDERS TEST IN ACCORDANCE WITH ASTM C39. FABRICATE ONE SET OF FIVE CONCRETE TEST SPECIMENS (CYLINDERS) FOR EACH 50 CUBIC YARDS . TEST ONE CYLINDER AT 7 DAYS AND THREE AT 28 DAYS, AND HOLD ONE IN RESERVE.

    REINF. INSPECTIONS: CONFIRM SIZE, QUANTITY, AND LOCATION OF REINF FOR WALLS GREATER THAN 5' IN HEIGHT.
28. ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, ENGINEER AND CONTRACTOR.

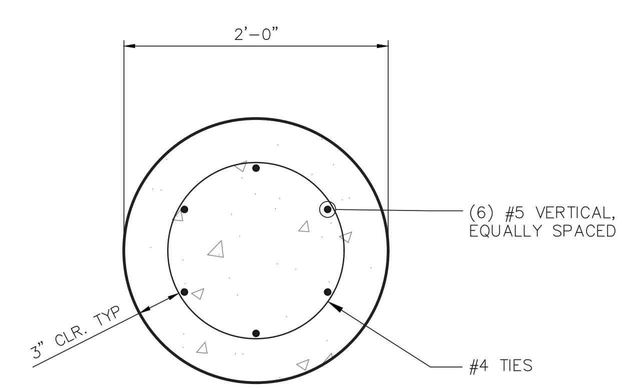
STRUCTURAL MASONRY:

1. MATERIALS FOR CONCRETE MASONRY UNIT WALLS SHALL MEET THE FOLLOWING :
   CONCRETE MASONRY UNITS: ASTM C90, 1900 PSI MIN. UNIT STRENGTH
   MORTAR: ASTM C270, TYPE S
   GROUT: ASTM C476, SLUMP = 8" TO 11", COMPRESSIVE STRENGTH f'c=3000 PSI
   MASONRY ASSEMBLAGE: f'm=1500 PSI
   REINFORCING STEEL: ASTM A615, GRADE 60
2. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE "BUILDING REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530) AND THE "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1).
3. CMU BLOCK WALLS SHALL BE FULLY GROUTED BELOW GRADE. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT UNLESS INDICATED OTHERWISE.
4. ALL REINFORCEMENT SHALL HAVE A SPLICE LENGTH OF 48 BAR DIAMETERS.
5. INSTALL REINFORCEMENT IN THE CENTER OF CELLS UNLESS INDICATED OTHERWISE.
6. SECURE REINFORCING TO PREVENT MOVEMENT DURING GROUTING.



1 / S1-0 **LIGHT POLE FOUNDATION**
SCALE: 3/4" = 1'-0"

NOTE:
DESIGN BASED ON TWO LUMINAIRE FIXTURE WITH MAX COMBINED FIXTURE EPA OF 2.06 SQ. FT. MOUNTED ON A 18'-0" POLE WITH A WIND SPEED OF 142 MPH PER AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS (1ST EDITION, 2015). SEISMIC DESIGN IS NOT INCLUDED IN THIS SPECIFICATION.



2 / S1-0 **LIGHT POLE FOUNDATION SECTION**
SCALE: 1 1/2" = 1'-0"

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200 SOUTH TRYON ST.
SUITE 200
CHARLOTTE, NC 28202
PHONE: (704) 333-5131

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 33943 JOEL BRADY HAMBY 11/26/2019

REVISIONS | NO. | DATE

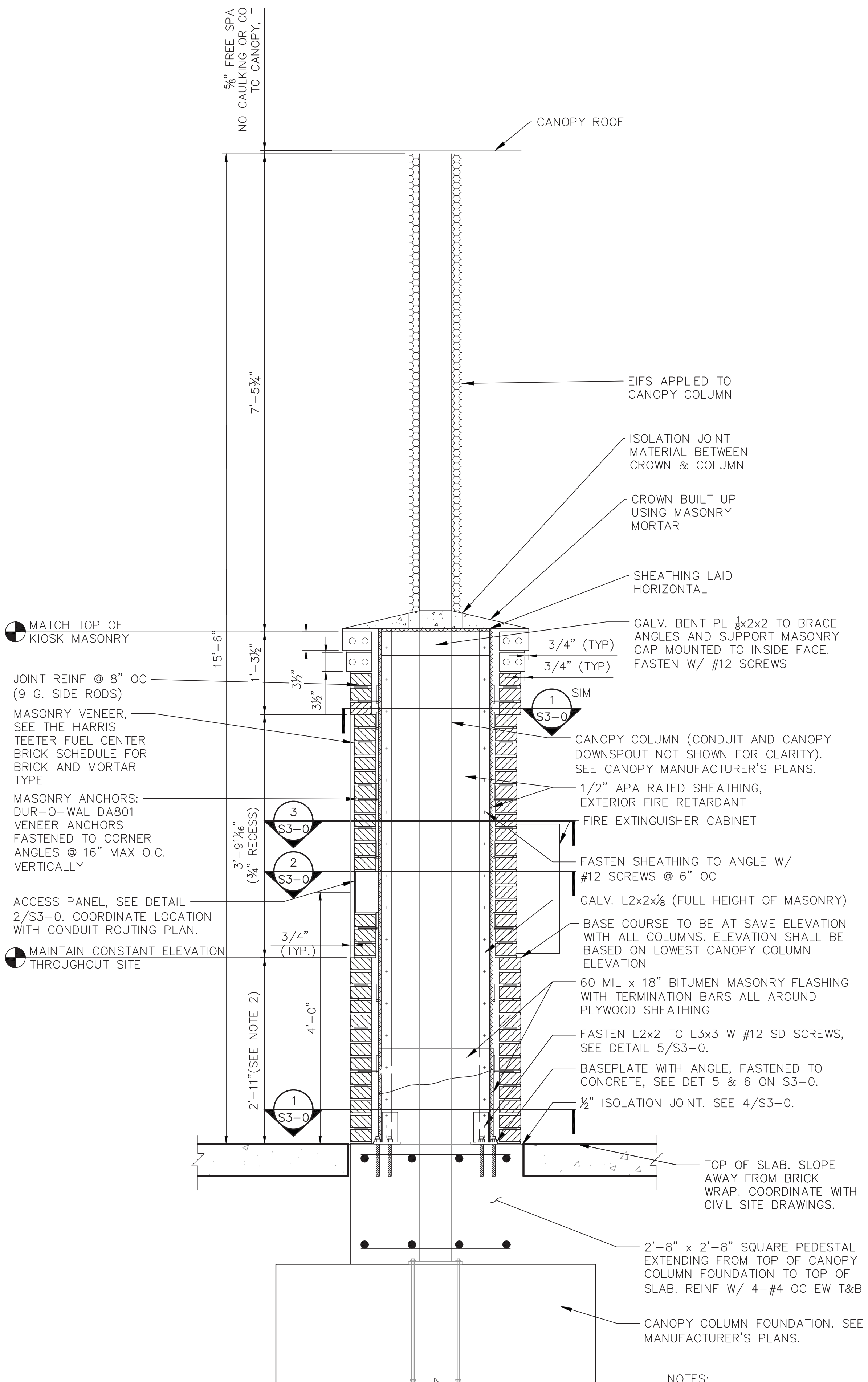
CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 HILTON HEAD
32 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: GENERAL NOTES & LIGHT POLE FOUNDATION

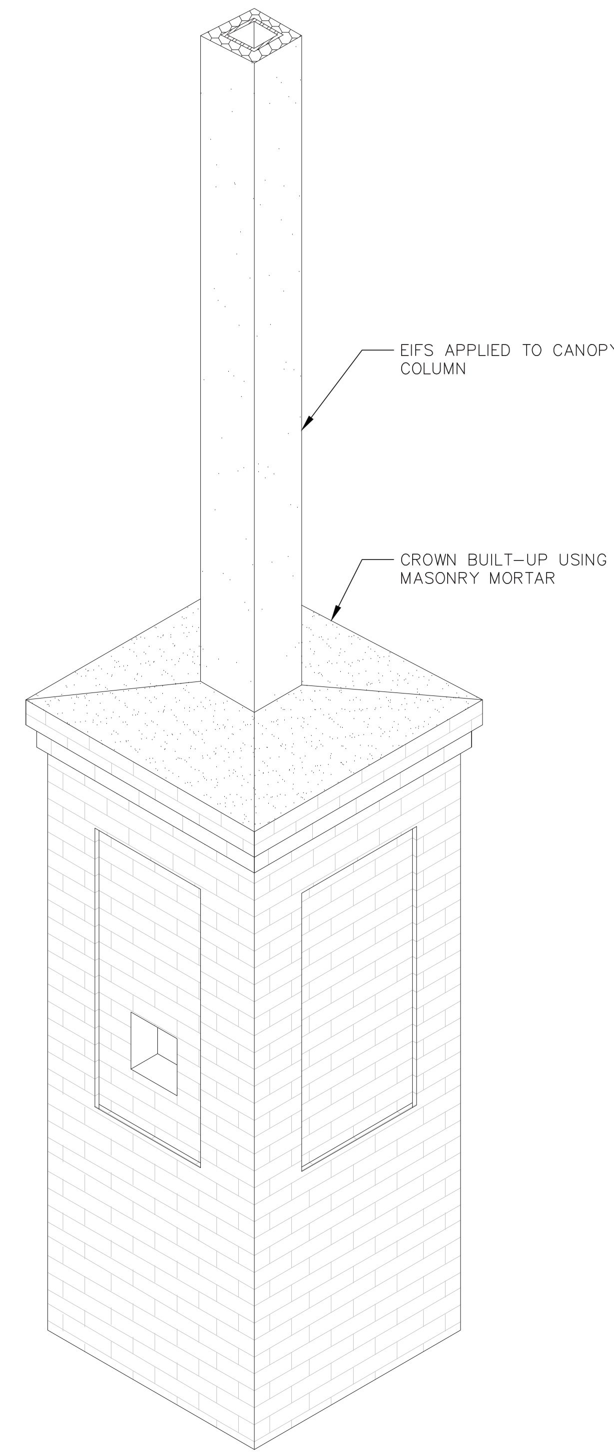
DESIGNED BY:	MBF
DRAWN BY:	JJD
CHECKED BY:	MBF
DATE:	11/25/2019
PROJECT#:	015640123423

S1-0



1 S2-0 CANOPY COLUMN BRICK MASONRY WRAP
SCALE: 1" = 1'-0"

NOTES:
1. ALL CORNER BRICKS SHALL BE SOLID BRICKS.
2. DIMENSION BASED ON BOTTOM OF CANOPY HEIGHT 15'-6". ACTUAL DIMENSION VARIES WITH FINISHED GRADE ELEVATION.



NOTE: FOR REFERENCE ONLY. FOR COURSING, SEE 1/S2-0.

2 S2-0 ISOMETRIC VIEW
SCALE: NTS

STRUCTURAL DESIGN REPRESENTED ON THIS DRAWING PERTAINS ONLY TO MASONRY VENEER CLADDING AND NON-STRUCTURAL PEDESTAL. DESIGN OF CANOPY STRUCTURE AND FOUNDATION IS BY OTHERS AND IS OUTSIDE THE SCOPE OF KIMLEY-HORN'S PROFESSIONAL RESPONSIBILITY

South Carolina 811 Call 811 Before You Dig

Kimley»Horn
NC License #F-0102
200 SOUTH TRYON ST.
SUITE 200
CHARLOTTE, NC 28202
PHONE: (704) 333-5131

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 33943 JOSE BRADY HAMBY
DocuSigned by: Jose Hamby
11/26/2019

NO.	DATE	REVISIONS

CLIENT: HARRIS TEETER

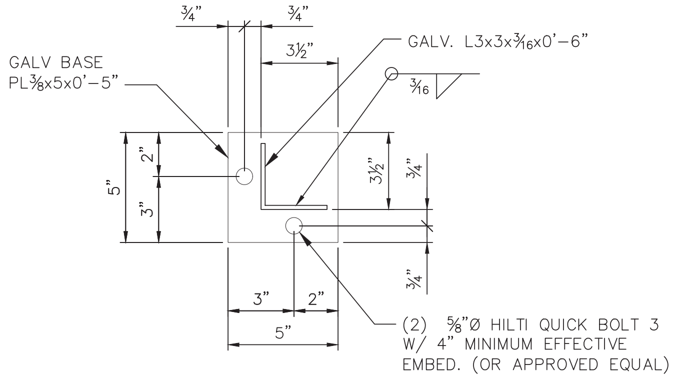
PROJECT: HARRIS TEETER FUEL CENTER
STORE #423 HILTON HEAD
32 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: CANOPY COLUMN BRICK MASONRY WRAP

DESIGNED BY:	MBF
DRAWN BY:	JJD
CHECKED BY:	MBF
DATE:	11/25/2019
PROJECT#:	015640032

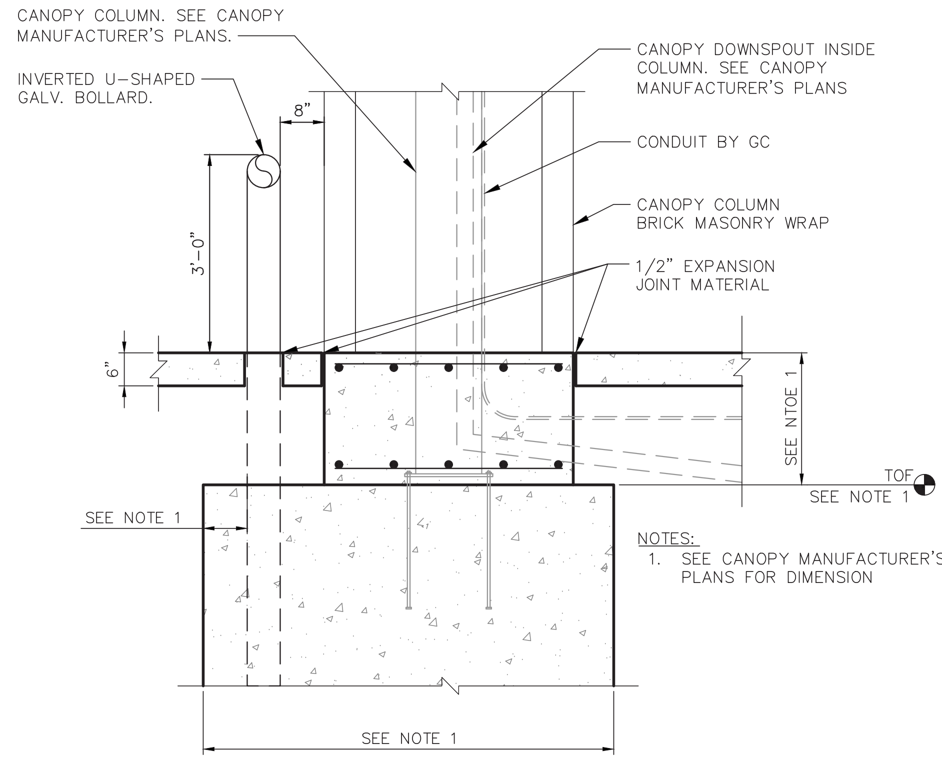
S2-0

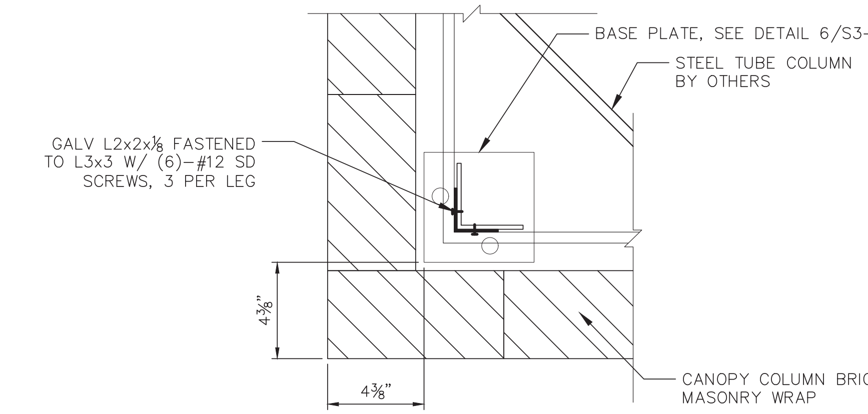
November 21, 2019 – 11:41am By: James.Debrow
K:\RAL_Structures\015640 Harris Teeter\015640134 – 423 Hilton Head\CAD\Hilton Head.dwg

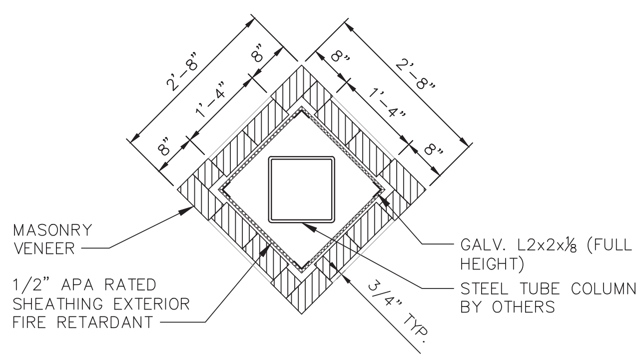


6 / S3-0 BASEPLATE DETAIL

SCALE: 3" = 1'-0"







3 / S3-0 SECTION THROUGH RECESS

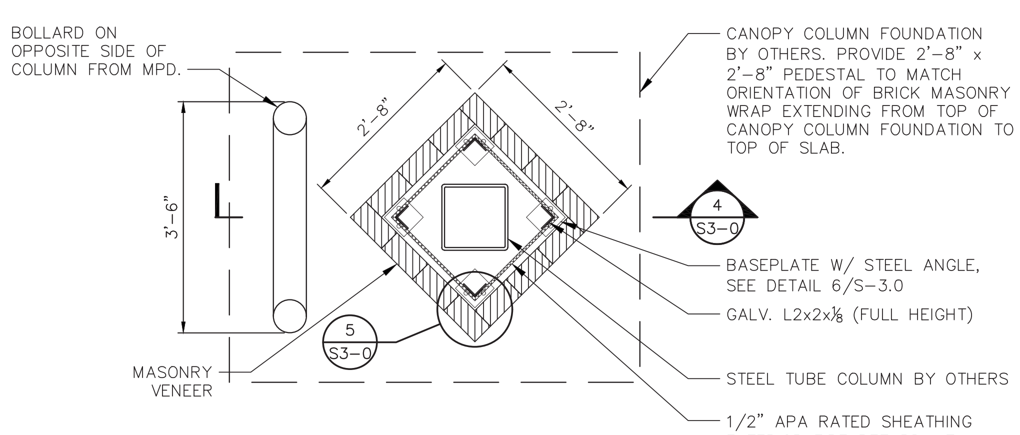
SCALE: 3/4" = 1'-0"

4 / S3-0 CANOPY BASE DETAIL

SCALE: 3/4" = 1'-0"

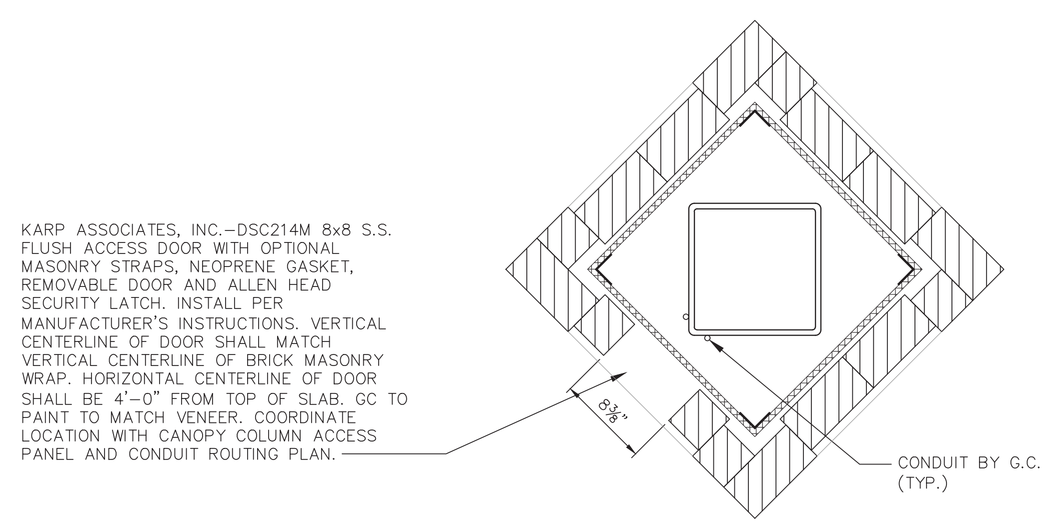
5 / S3-0 COLUMN WRAP CORNER DETAIL

SCALE: 3" = 1'-0"



1 / S3-0 PLAN DETAIL

SCALE: 3/4" = 1'-0"



2 / S3-0 COLUMN WRAP ACCESS PANEL DETAIL

SCALE: 1-1/2" = 1'-0"

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 33943 BRADY HAMBY 11/26/2019

NO.	DATE	REVISIONS

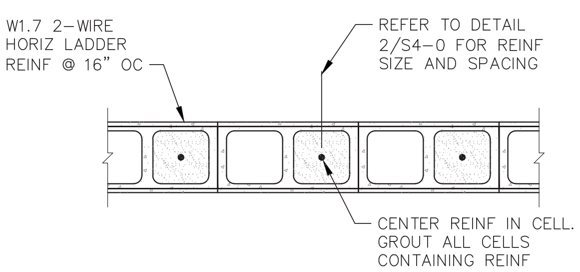
CLIENT: HARRIS TEETER

PROJECT: HARRIS TEETER FUEL CENTER STORE #423 HILTON HEAD
32 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

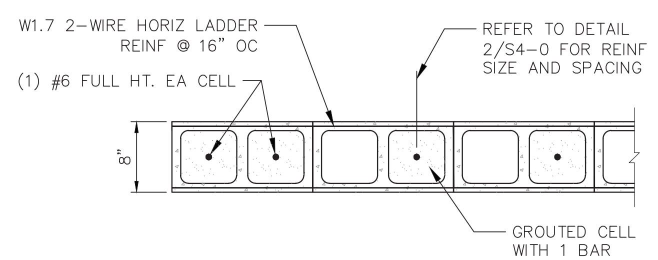
TITLE: CANOPY COLUMN BRICK MASONRY WRAP

DESIGNED BY:	MBF
DRAWN BY:	JJD
CHECKED BY:	MBF
DATE:	11/25/2019
PROJECT#:	015640032

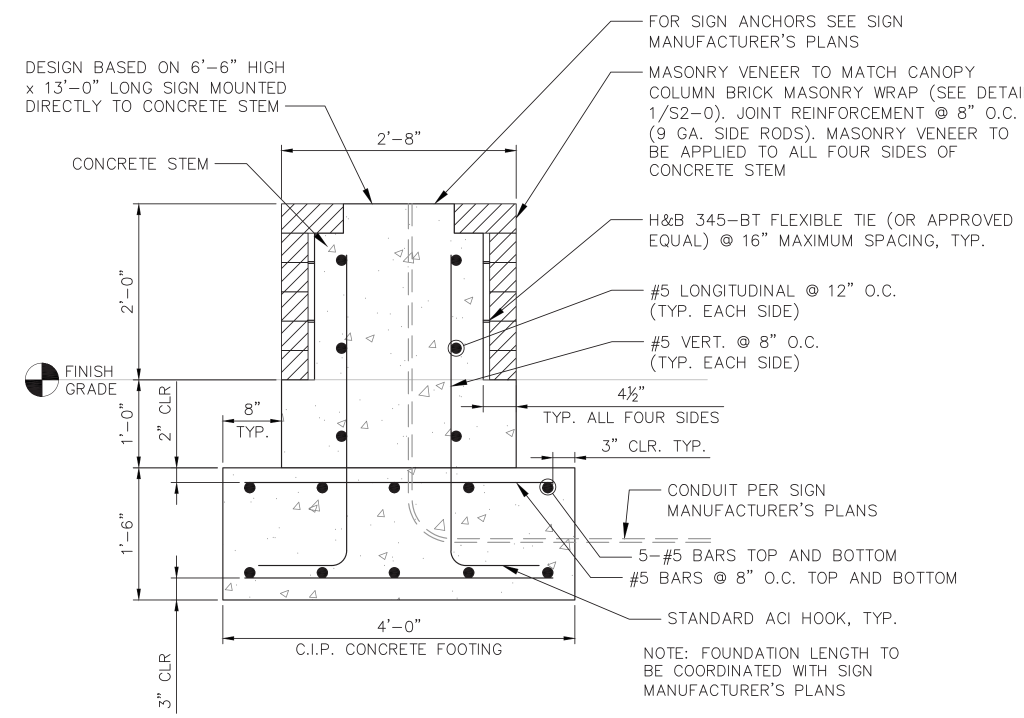
S3-0



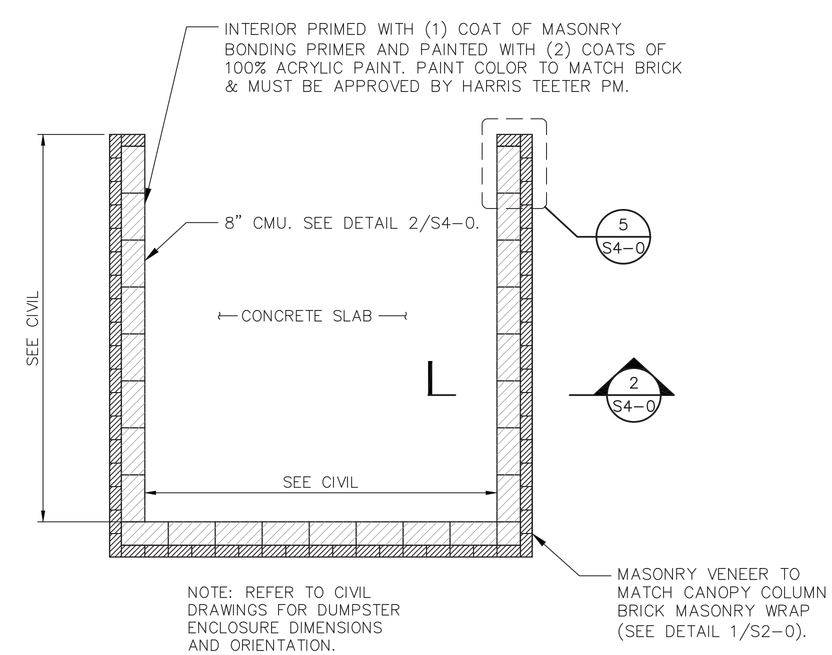
4 / S4-0 TYPICAL CMU REINFORCEMENT - PLAN VIEW
SCALE: NTS



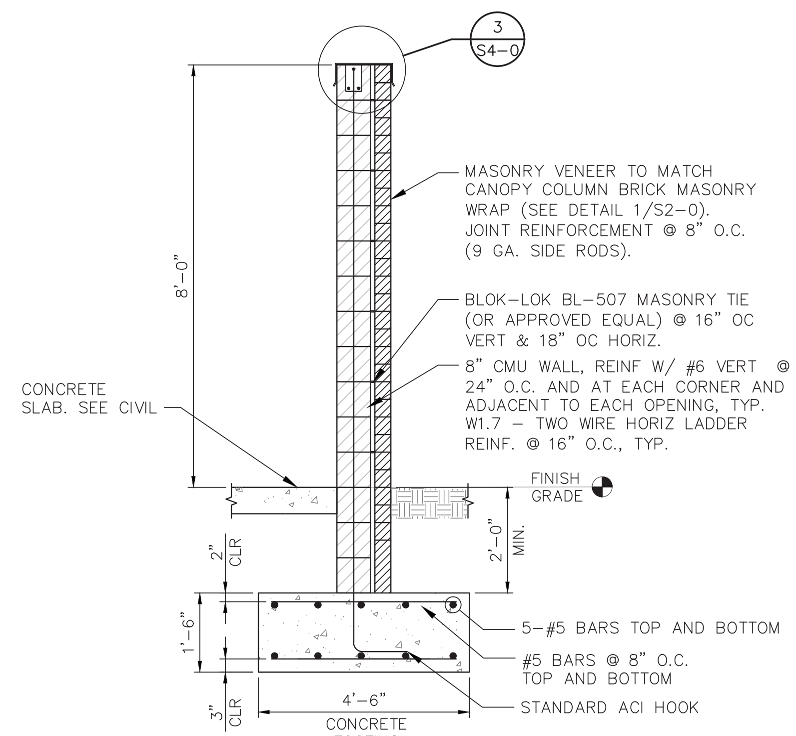
5 / S4-0 END OF TYPICAL WALL - PLAN VIEW
SCALE: NTS



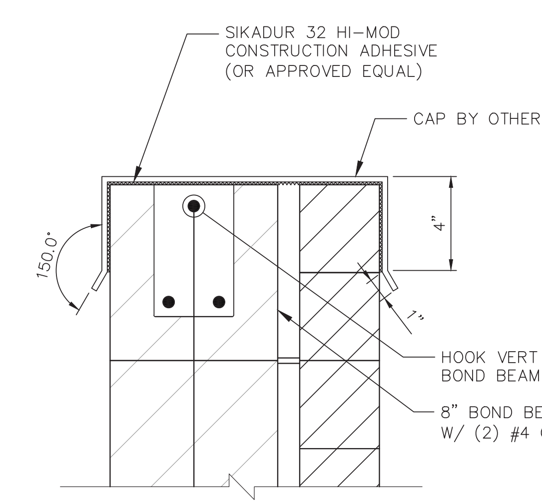
6 / S4-0 FREESTANDING SIGN FOUNDATION
SCALE: NTS



1 / S4-0 DUMPSTER ENCLOSURE PLAN
SCALE: NTS



2 / S4-0 SECTION THRU DUMPSTER ENCLOSURE
SCALE: NTS



3 / S4-0 DUMPSTER ENCLOSURE D
SCALE: NTS

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NO. | DATE | REVISIONS

CLIENT: HARRIS TEETER

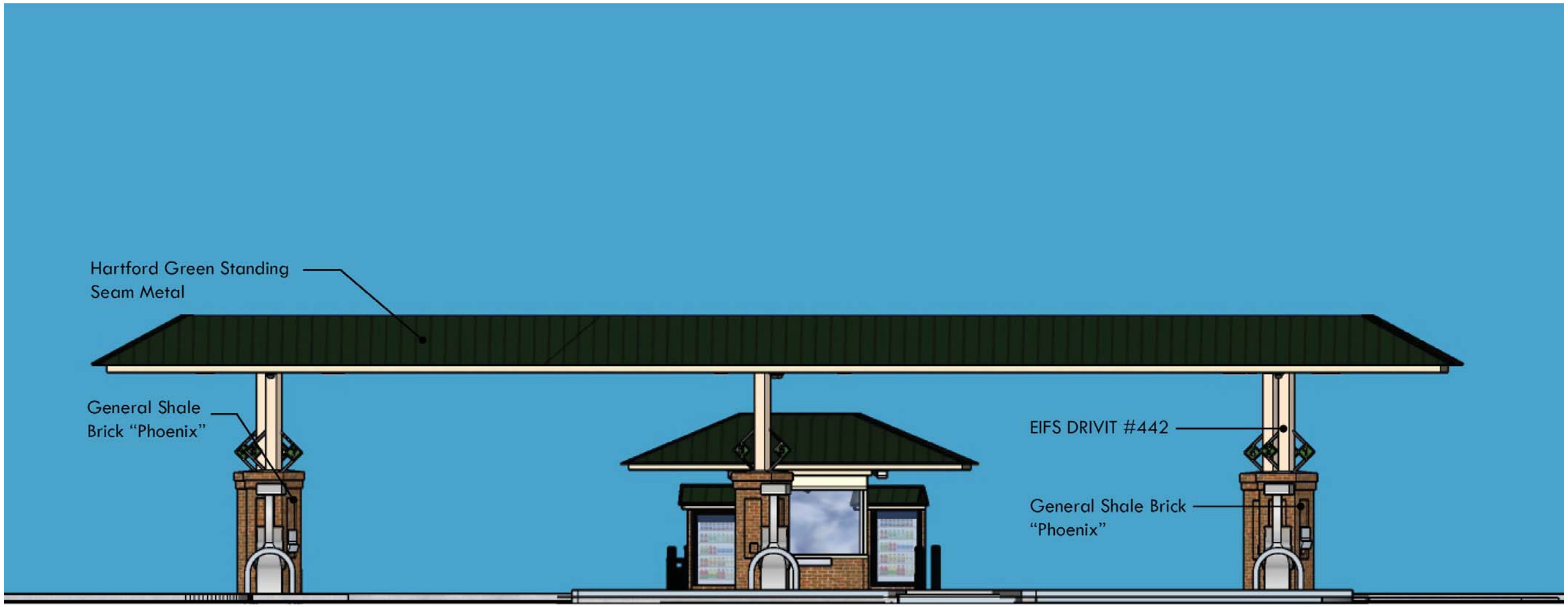
PROJECT: HARRIS TEETER FUEL CENTER STORE #423 HILTON HEAD
32 OFFICE PARK ROAD
HILTON HEAD ISLAND, SOUTH CAROLINA 29928
BEAUFORT COUNTY

TITLE: DUMPSTER WALL AND SITE WALL DETAILS

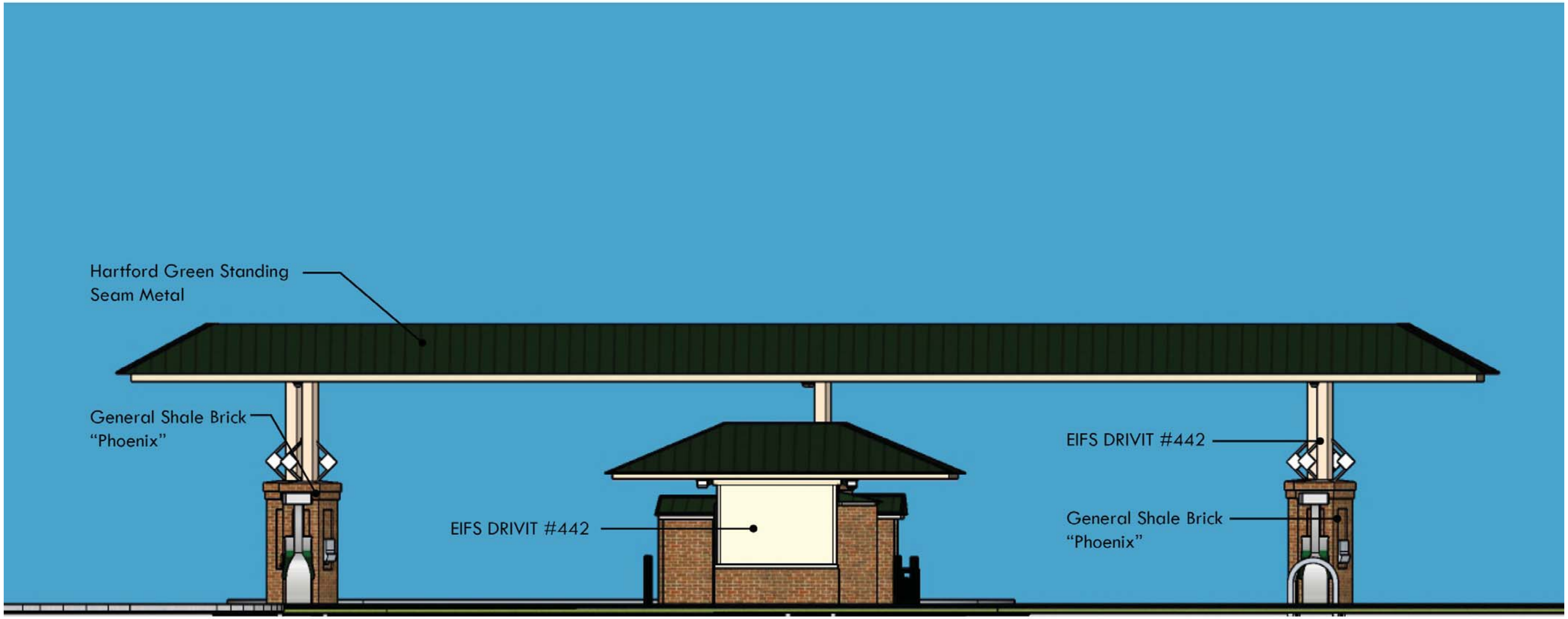
DESIGNED BY:	MBF
DRAWN BY:	JJD
CHECKED BY:	MBF
DATE:	11/25/2019
PROJECT#:	015640032

S4-0

Harris Teeter Fuel #423- Sea Pines- Hilton Head Island, SC

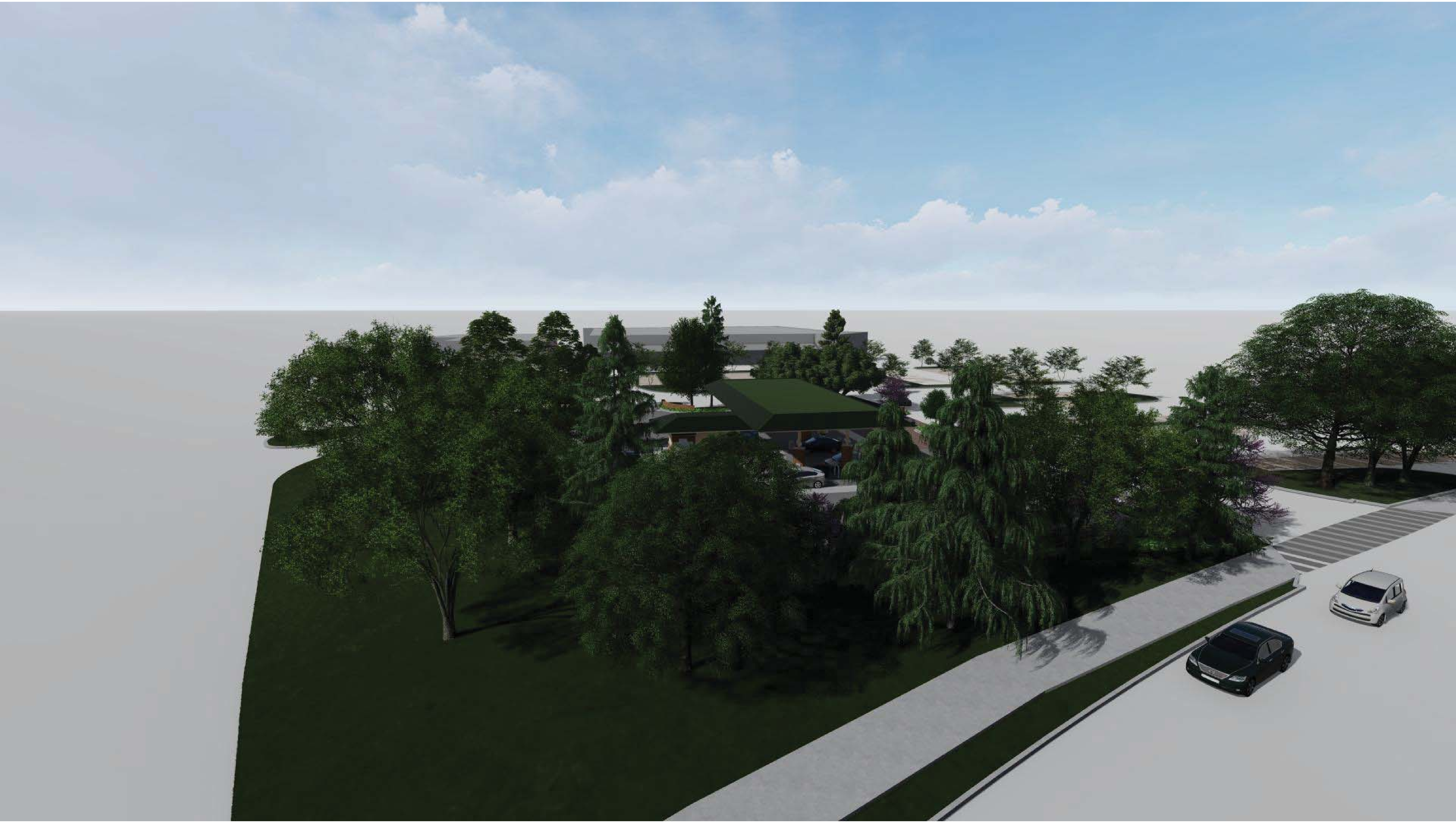


Harris Teeter Fuel #423- Sea Pines- Hilton Head Island, SC



Harris Teeter Fuel #423- Sea Pines- Hilton Head Island, SC

Harris Teeter Fuel #423- Sea Pines- Hilton Head Island, SC

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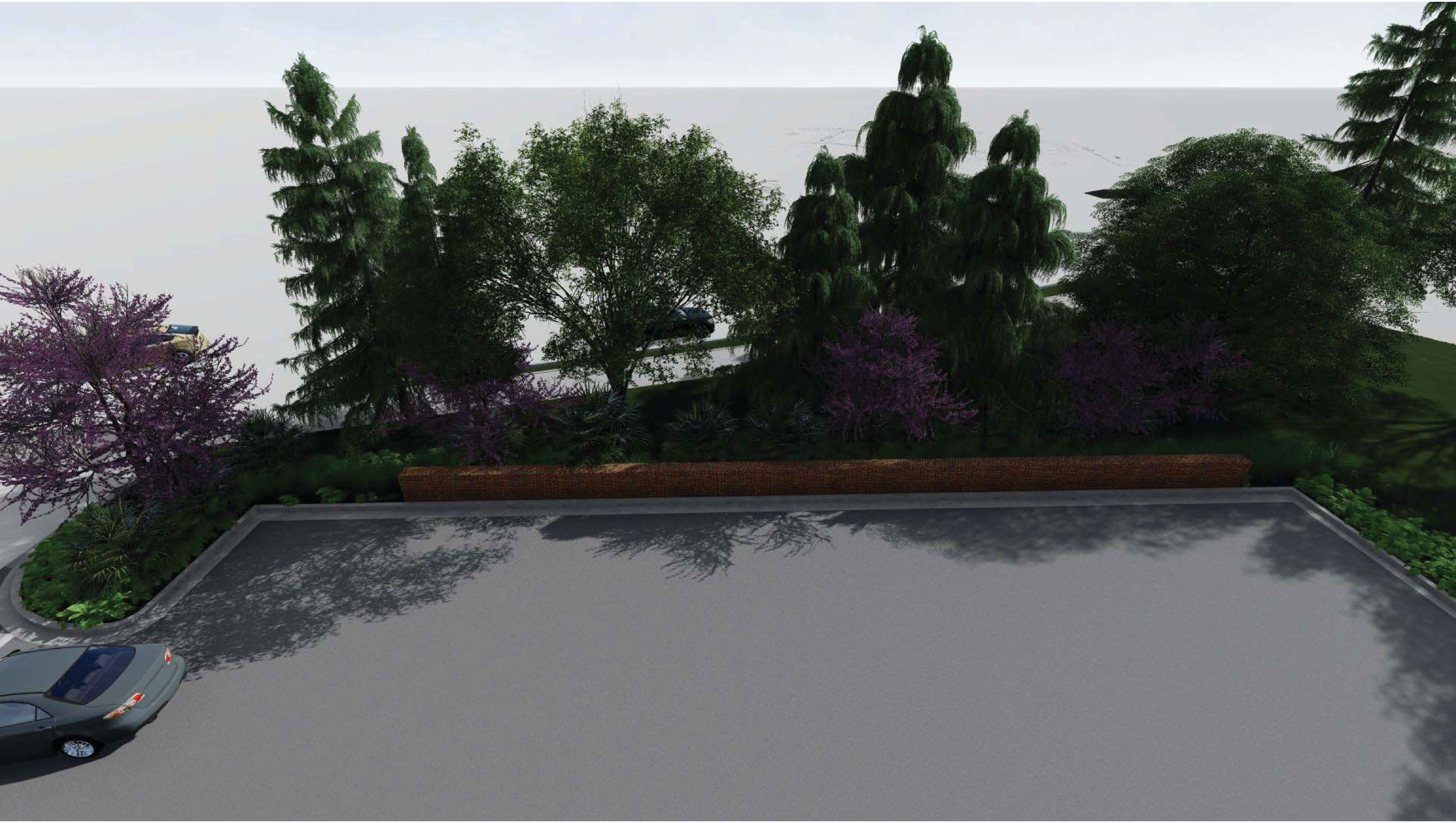

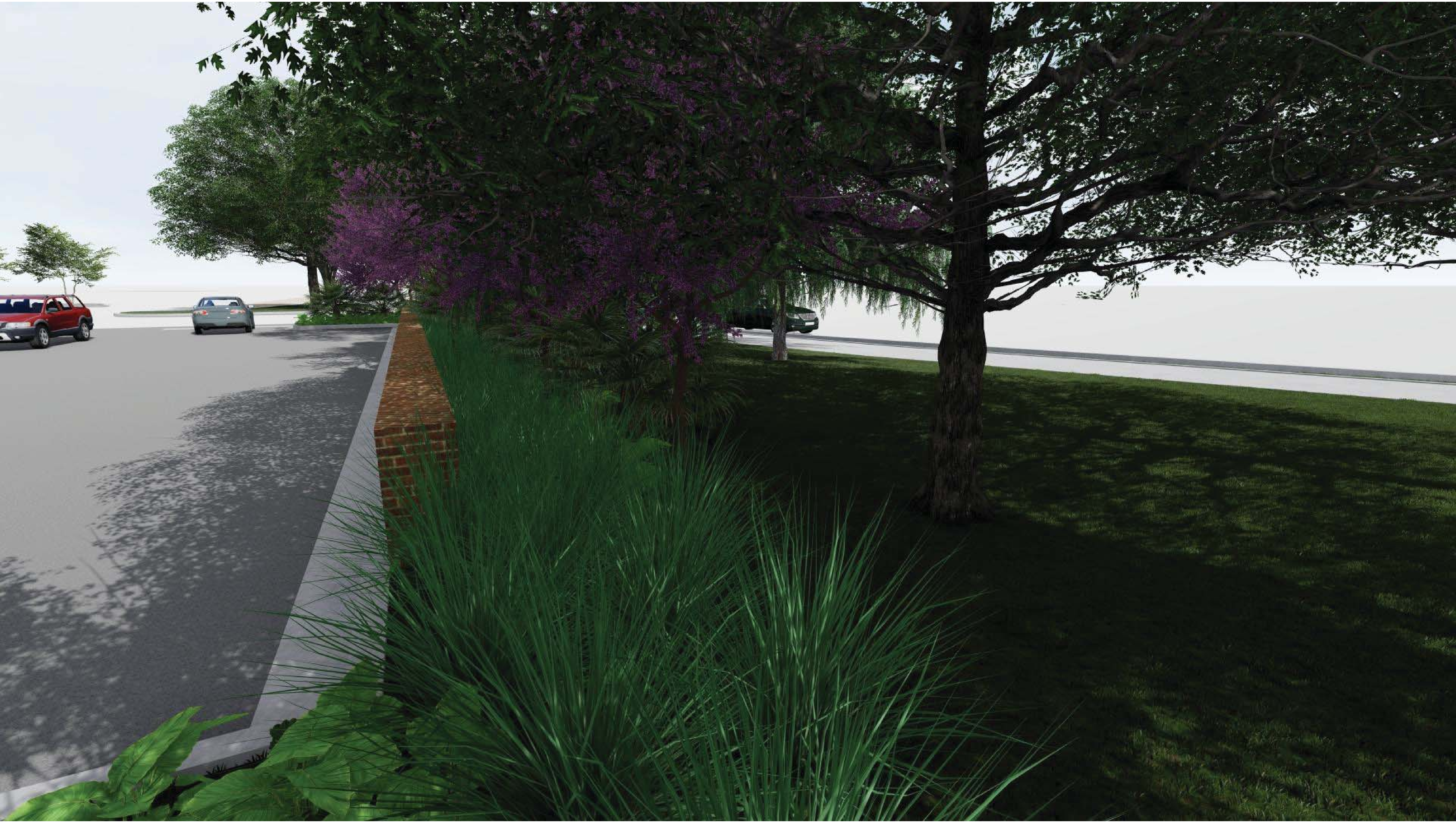


8
7
2

DESIGN TEAM/DRB COMMENT SHEET

The comments below are staff recommendations to the Design Review Board (DRB) and do NOT constitute DRB approval or denial.

PROJECT NAME: Harris Teeter Fuel Station DRB#: DRB-001967-2019

DATE: 01/06/2020

RECOMMENDATION: Approval ☐ Approval with Conditions ☒ Denial ☐

RECOMMENDED CONDITIONS:

Given this is a Conceptual Review and the comments and recommendations are with regards to details, Staff recommends approval and suggest that the Comment Sheet be included in the NOA.

APPLICATION MATERIAL

DRB REQUIREMENTS	Complies Yes	No	Not Applicable	Comments or Conditions
Dimensioned Details and of Sections	☐	☒	☐	Provide dimensioned architectural sections.

ARCHITECTURAL DESIGN

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Utilizes natural materials and colors	☐	☐	☒	A color board should be provided at the Final DRB review.
Has a strong roof form with enough variety to provide visual interest	☐	☒	☐	The canopy roof should be a true gabled roof in keeping with the Design Guide and to mimic the roof of the corner tower on Harris Teeter and not a mansard roof.
Forms an details are sufficient to reduce the mass of the structure	☐	☒	☐	Since the ceiling of the canopy is a large part of this site, provide a reflected ceiling plan for the canopy. The applicant should refer to the ceiling of the Kroger fuel station as a good example of the ceiling detail of

				a fuel station canopy.
Human scale is achieved by the use of proper proportions and architectural elements	☐	☒	☐	See comment above
Utilities and equipment are concealed from view	☐	☒	☐	Blue Rhino cages should be screened. Staff suggest the applicant consider locating cages adjacent to dumpster enclosure.
Decorative lighting is limited and low wattage and adds to the visual character	☐	☐	☒	A lighting plans showing foot-candles, light temperature and fixture specifications / cut sheet should be provided at Final DRB review.
Accessory elements are design to coordinate with the primary structure	☐	☒	☐	1. Bollards should match other bollards in the shopping center. 2. Only two glass door merchandising units are shown on the elevation and four on the Fixture Plan (sheet C2-3, items E & F). 3. Specify waste receptacle color. 4. Stainless steel “U” bollard is not in keeping with the Design Guide. Specify a nature blending color.

LANDSCAPE DESIGN

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
Landscape is designed so that it may be maintained in its natural shape and size	☐	☒	☐	1. Replace Cordgrass with Fakahatchee Grass, it is used elsewhere around Park Plaza. 2. Replace Short Leaf Pine (not native to Hilton Head) with Slash Pine (Pinus elliottii) or Long Leaf Pine (Pinus palustris). 3. Replace Saw Palmetto with Needle Palm (Rhapidophyllum hystrix).
Native plants or plants that have historically been prevalent on the Island are utilized	☐	☒	☐	See above.
The location of existing mature trees is taken into account in placement of shrubs so as not to damage tree roots	☐	☒	☐	How will the ground surface under existing trees be treated? Consider specifying mulch and showing the mulch line. Landscape plan should extend to the back of curb on the parking lot side.
Proposed groundcovers are evergreen species with low maintenance needs	☐	☒	☐	Wild Ginger is not a viable groundcover in a commercial setting. Staff suggest low shrubs or ornamental grasses.

NATURAL RESOURCE PROTECTION

DESIGN GUIDE/LMO CRITERIA	Complies Yes	No	Not Applicable	Comments or Conditions
An effort has been made to preserve existing trees and under story plants	☐	☒	☐	Specify one the Tree Protection Plan which trees will receive Pre and Post construction fertilization. Pre-construction fertilization must be completed prior to the pre-clear inspection. Staff suggest the following trees should be included: 29 Live Oak (west corner), 17" Gum and tree cluster (south corner) , tree cluster at Office Park entrance, 17" and 21" Pine (adj. Office Park)
Supplemental and replacement trees meet LMO requirements for size, species and number	☐	☒	☐	Specify height (10' min.) and caliper (varies) to meet the LMO requirements.

MISC COMMENTS/QUESTIONS

1. The proposed sign location conflicts with existing vegetation to remain. Sign and sign location are approved under a separate permit.
2. The tree protection fence shall be wood post with wood rails.